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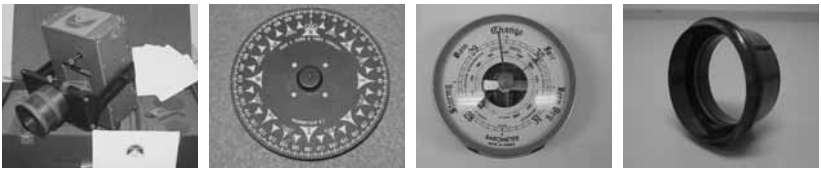
SUMMER 2004

SURPLUS OPTICS & ELECTRONICS CATALOG
BARGAINS FOR FUN, HOBBY, EDUCATION OR PROFIT

- **LENSES, MIRRORS, PRISMS, FILTERS**
- **EYEPIECES AND EYEPIECE LENS SETS**
- **SCIENTIFIC INSTRUMENTS**
- **OPTICAL DEVICES**
- **MILITARY SURPLUS**
- **EDUCATIONAL OPTICS**
- **RADIO/ELECTRONICS**
- **MISCELLANEOUS FUN STUFF**



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JUST ARRIVED! KERSHAW MK3 BINO PRISM WWII FIELD BINOCULARS

These British-produced British military binoculars are rugged construction, intended for field use during World War II. The Kershaw MK3 features a porro-II prism design for improved light transmission, and 6x magnification. The four base ports allow for nitrogen purging to eliminate the fog-prone oxygen otherwise present in the optical path, and drying of all internal parts should the unit be water-saturated. Focusing is available for each eye. Each unit has a black-enameled brass body, coated optics, is marked BINO PRISM No. 2 MK3, X6, GRATICULES 1/2° APART AND 1/4° 1/2° AND 1° HIGH. Made between 1943 and 1944. These have seen the field, but are in very good working condition. Great military collectable that you can use and at a great price.

T1508 $49.00

JUST ARRIVED! 2" BARLOW LENS, 2X

You've been asking for this for some time. Here's a new 2X Barlow lens for 2" focusers. Coated achromatic lens assembly with 2" barrel threaded for filters. Get twice the use out of your 2" eyepieces.

L3203 $44.50

JUST ARRIVED! B&L FLEXIBLE FIBER OPTIC LIGHT GUIDE, 24" LONG

Made by Bausch & Lomb, Catalog #32-13-24. Nominal fiber diameter is 1/8". Ends are .21" diameter. Sheathing Outside Diameter is 0.275". Non-coherent light guide is precision-drawn 20-micron fibers of 1.62 index glass, each coated with a protective and internally reflective clad of 1.52 index; then bundled and sheathed with aluminum strip-wound cable. Incident light gathering efficiency is 60% at the receiving end. Light transmitting efficiency is 5% absorbance per foot. Range from visible to near infra red. Working temperature range -40 degrees F to +160 degrees F. 24 inches long. In original containers.

M2227 $11.00

JUST ARRIVED! PARAMOUNT PICTURES 3-D PROJECTION SYSTEM

A superb find for the vintage 3-D enthusiast!!! The Paramount 3-D Projection system works with the flat projection lens of movie theatre projectors to produce a more panoramic and 3-D projected image (same width with 20% decreased height) of movies made for 3-D. Anamorphic lenses are not needed and should not be used. The system mounts on the front of the projection lens, and modifies the image via the internal multiple front surface mirror assembly. These 3-D conversion systems were apparently produced by Paramount for movie theater usage during the Cinemascope era and we were told they were used with Friday the 13th part 3 in 3-D and the Jaws 3-D movie. This is the more modern system that uses polarization instead of the two color system used back in the 50's. The system is contained in a portable 24" wide x 12 1/4" high x 12" deep black textured vinyl-covered wooden box with handle, dual latches, and reinforced corners. The foam-insulated interior contains the system components: lens holder, assembly mounting plate, 2 assembly support rails, the projection unit with polarizer set, aperture plates, two Allen wrenches, hardware bag with Allen bolts and locking knobs, and system instruction manual. Aluminum construction. Lightly used. Mirror assembly is in mint condition. This is an incredible buy at our price as we understand they cost Paramount $1000.00 each. We think you may be able to use your camera to photograph thru it(slides?)and then attach it to your slide projector or make a stereo print for use in your old stereo viewer (we haven't tried these ideas). How about make you own 3-D movies? We know you'll get creative with this one. Get two? One for your camera and one for projection.

M2234 $75.00

Achromats

EXPERIMENTERS 55MM ACHROMAT

Consists of a cemented negative doublet and a loose positive meniscus. 55mm diameter. Put the meniscus into the doublet and you get 400mm focal length. Turn it around and you get 290mm. Not a perfect achromat, but close. Great for educational experiments. Show what happens when you add another lens, separate the meniscus a little from the doublet and note the changes, etc. Coated. Unused.

L1333 $8.00 or 10 for $50.00

RECTANGULAR ACHROMAT

40mm long by 30mm wide coated achromat with curved edges. 125mm focal length. Unused.
L1449 $6.00

RECTANGULAR ACHROMAT, CTD
37.3mm diameter by 28.7mm wide by 11.5mm thick. Has curved edges. 105mm focal length. Coated
L1601 $5.50 or 10 for $45.00

15MM DIA MTD ACHROMAT
Achromat, in threaded barrel mount (has both inside and outside threads). Lens is 15mm diameter by 50mm focal length. Mounting is 18.8mm diameter by 12mm long. Not coated. Unused.
L1657 $5.50 or 10 for $40.00

MOUNTED FINDER ACHROMATS
50mm clear diameter cemented doublet mounted in brass cell with outside threads. One surface is coated. OD is 54mm. Focal length is 180mm.
L1684 $6.00

COATED RECTANGULAR ACHROMAT
This makes a super magnifier. 31.7mm x 23.7mm x 10.2mm thick. Coated achromat with curved edges. 100mm focal length. Unused.
L1725 $5.00 or 10 for $40.00

HASTINGS TRIPLET - UNMOUNTED
These are typically used as high power magnifiers. Cemented three element design provides the ultimate in distortion and spherical aberration free, color correct viewing. 15mm diameter, 10x magnification. Surface quality 60/40. Unused
L1865D $18.50

TRIPLET ACHROMAT, 12MM DIA
Coated cemented triplet. 12mm diameter by 35mm focal length by 10mm thick. Unused.
L2009 $8.50

MOUNTED ACHROMAT, 9MM DIA BY 40MM FL

Coated achromat in mounting. Clear lens diameter is 9mm and focal length is 40mm. Mounting is 13.5mm diameter by 8.9mm long, then machined to 9.5mm diameter by 5mm long with a center opening of 4.2mm. Clearly intended for a specific application. If you have a project that can use this achromat in its mounting, what a find! The lens is held in by a retaining ring so it can be removed. Use it as is or use either the mounting or lens by itself. We have a good quantity of these and our price is super.

L2010 $4.75 or 10 for $35.00

15MM DIA X 40MM FL MTD ACHROMATIC LENS ASSY

Multi coated, multi element achromatic lens assembly mounted with threaded focusing mount. Clear front element lens diameter is 15mm, and clear back element diameter is 11mm diameter. Assembly is 20mm diameter by 13mm high. Focal length is 40mm. Unused.

L2057 $8.00 or 10 for $65.00

MELLES GRIOT PRECISION ACHROMAT, 31.5MM DIA X 80MM FL

Coated cemented doublet made by Mells Griot. These are precision optimized achromats in unused condition. 31.5mm diameter by 80mm focal length. In Melles Griot catalog for $79.00 each.

L2076 $9.00

TAMRON FAX-COPYER 160MM FL LENS W/MIRROR

Nice coated multi-element lens assembly with a quality front surface mirror. Designed to be used with a fax/copier machine and in excellent condition. Clear lens diameter is 49mm. Retaining ring holds the 30mm diameter by 3.3mm thick Pyrex front surface mirror which is easily removed. Great lens for experiments as you can use it as an eye inspection device, use the quality mirror by itself, or use the achromatic lens to make a small scope or finder. Includes protective lens cover.

L3005 $7.25

ELGEET 8" FOCAL LENGTH MTD ACHROMAT

This is the front element of the Elgeet 4" F/2.7 Cine-Tel telephoto lens. Quality, coated Elgeet cemented doublet achromat with a front element clear diameter of 40mm. Focal length is 8 inches. Nicely mounted with threaded retaining ring. If you have one of the Cine-Tel telephoto lenses, then you need this as a spare. If not, get it for the mounted achromat. Unused.

L3090 $5.00

Antiques

ANTIQUE 41MM RETICLE

A great find. These are in the original package. Marked "STOCK NO. 2060. ONE RETICLE - MARK 1. DIAMETER 41 MMS. EDMUND SALVAGE COMPANY. P.O. AUDUBON, NEW JERSEY. Looks like war surplus, probably for one of the military scopes. 41mm diameter by 5mm thick. Has vertical and horizontal dashed lines going 3/4 of the way up the center. Markings on left and right side: 8, 12, 16, 20, 24, and 28.

A1601 $4.00

ANOTHER ANTIQUE 41MM RETICLE

A great find. These are in the original package. Marked "STOCK NO. 2028. ONE RETICLE - MARK 2. DIAMETER 41 MMS. EDMUND SALVAGE COMPANY. P.O. AUDUBON, NEW JERSEY. Looks like war surplus, probably for one of the military scopes. 41mm diameter by 5mm thick. Has cross hair and vertical and horizontal dashed lines going 3/4 of the way down from the center. Markings on left and right side: 8,16, 24, 32, and 42.

A1602 $4.00

ANTIQUE RETICLE FOR MILITARY M70F TELESCOPE

Unused in original packaging, dated in the 1940's. Reticle made for the military M70F telescope. 27.4mm diameter by 3.1mm thick. Has small cross hair and vertical and horizontal dashed lines going 1/2 of the way down from the center. Markings on left and right side: 8, 16, 24, and 32.

A1604 $4.00

ANTIQUE MILITARY OBJECTIVE ASSEMBLY

Made in the 1940's for the following military telescopes: M38, M40, M47, T73, T109, &T42. These must have been small scopes as the clear lens diameter is only 10mm. Mounting has outside threads and is 15.8mm diameter by 10.1mm long. Focal length is about 75mm. If you have one of these scopes, you need this, or get it to add to your military collection. In original packing. Unused.

A1605 $8.50

Beamsplitters

15MM COATED CUBE BEAMSPLITTER

Unused beauty in original packaging. 15mm X 15mm cube beamsplitter. Transmission and reflection is in the ratio of 50/50. Made of BK7 with surface quality 60/40. Angle tolerance is +- 3 arc min and flatness is 1/2 wave. All sides are anti-reflection coated. Edmund's 15mm X 15mm sells for $118.80

L2046D $19.00

30MM COATED CUBE BEAMSPLITTER

Unused beauty in original packaging. 30mm X 30mm cube beamsplitter. Transmission and reflection is in the ratio of 50/50. Made of BK7 with surface quality 60/40. Angle tolerance is +- 3 arc min and flatness is about 1/2 wave. All sides are anti-reflection coated. Edmund's 30mm X 30mm sells for $157.50

L2047D $35.00

40MM COATED CUBE BEAMSPLITTER

Unused beauty in original packaging. 40mm X 40mm cube beamsplitter. Transmission and reflection is in the ratio of 50/50. Made of BK7 with surface quality 60/40. Angle tolerance is +- 3 arc min and flatness is about 1/2 wave. All sides are anti-reflection coated. Edmund's 40mm X 40mm sells for $240.90

L2048D $45.00

20MM COATED CUBE BEAMSPLITTER

Unused beauty in original packaging. 20mm X 20mm cube beamsplitter. Transmission and reflection is in the ratio of 50/50. Made of BK7 with surface quality 60/40. Angle tolerance is +- 3 arc min and flatness is about 1/2 wave. All sides are anti-reflection coated. Edmund's 20mm X 20mm sells for $125.90

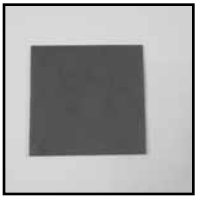
L2069D $25.00

GLASS BEAMSPLITTER, 38MM X 33MM, 50% TRANS, 50% REFL.

Beamsplitter appears to be 50% transmittance and 50% reflective and is 38mm long x 33mm wide. Unused.

M3013 $2.50

MIRROR TYPE GLASS BEAMSPLITTER, 50MM SQ



Beamspitter appears to be 25% transmittance and 75% reflective. 50mm long x 50mm wide. Unused.
M3014 $2.50

Binoculars

OBJECTIVE COVER FOR STEINER 6X30 BINOCS

Unused and made for the quality Steiner 6x30 military binoculars. Brown rubber, 1.7" ID with a 2" long handle. Also fits eyepieces of some of the larger binoculars such as 14x70.
M1601 $0.50 or 10 for $4.00

RAINGUARD/EYEPIECE COVER FOR STEINER 6X30 BINOCS

Unused and made to fit the eyepieces of the quality Steiner military 6x30 binoculars. 4" long by 1-1/2" wide. Has places for a strap. Brown rubber.
M1602 $1.00 or 10 for $8.00

WWII BRITISH MADE OFFICER'S POLISHED BRASS BINOCULARS

Rare WWII 6x30 porro prism binoculars. Made in the early 1940's by the best British optical houses. Prism and objective covers have been polished (could use a bit more elbow grease). These will look super in your office or living room. Quality optics throughout provide great sharp images. Individual focusing eyepieces. Vintage canvas case included. Excellent condition.

T1409 $75.00

MILITARY PERISCOPIC BINOCULARS

Made for the Czechoslovakian People's Army and used in tanks. The coated optics deliver a crisp and bright 4x view with a reticle overlaid in the right-hand eyepiece. Rubber eyecups make for comfortable viewing and both eyepieces are fully focusing. An unusual quick-release turret assembly on top allows for rapid cleaning of the objectives, prisms, etc. Top and bottom mounting brackets. Has a knob adjustment for the distance between your eyes, and a head rest. Heavy duty construction. Excellent condition

T1471 $85.00

MILITARY PERISCOPIC BINOCULARS W/CASE & ACCESSORIES

Like new with original wood case. Made for the Czechoslovakian People's Army and used in tanks. The coated optics deliver a crisp and bright 4x view with a reticle overlaid in the right-hand eyepiece. Rubber eyecups make for comfortable viewing and both eyepieces are fully focusing. An unusual quick-release turret assembly on top allows for rapid cleaning of the objectives, prisms, etc. Top and bottom mounting brackets. Has a knob adjustment for the distance between your eyes, and a head rest. Heavy duty construction. Includes spare top prism assembly, extra rubber eyeguard, lens cleaning cloth, stamped military paperwork, passport, and instruction manual (not in English). These are beauties and we only have a few

T1475 $125.00

IRON CURTAIN 6 X 30 MILITARY PRISM BINOCULARS

Made in the early 1950's in one of the Iron Curtain countries such as Bulgaria, these are rugged military porro prism binoculars complete with original leather case and leather eyepiece cover. Quality coated optics with individual focus eyepieces. Has range reticle in the right eyepiece. Designed to resist dust, etc. Used but in very good condition.

T1484 $42.50

BRITISH PERISCOPIC BINOCULARS

Made by the British and sold to the Israel Defense Force. These were made to be mounted on tanks and other armored units. Clearly used and the rubber eyecups are deteriorating a bit, but there are some great features as follows: Super 10X40 coated optics; interpupillary adjustment knob with markings from 57 to 70; hinged eyecups; spring loaded glare shields; right eyepiece reticle; smooth easy to use focusing levers; collimated and in great working condition. Nice military collectable binoculars, but great for periscopic use. 12" long by 6-1/2" wide. We also have mounts if you want to put them in your vehicle etc (our #M1597). Closing out at a great price.
T1486 $65.00

NIKON REFLEX STEREOSCOPE

This is a beauty in original Nikon wood case. Designed for viewing stereo photographs, especially aerial photos, and for evaluating relative heights of topographical points, buildings, trees, towers, cliffs, river banks, etc. Has prisms, mirrors, and magnifiers. Gives 1.2X magnification with 105mm diameter viewfield. The instrument opens to 24" long by 9-1/2" high. Superior Nikon quality. Includes one aerial stereo pair photograph.
T1489 $225.00

8X24 COMPACT BK7 PORRO PRISM BINOCULARS (BLACK)

These are beauties with lots of features and at a great price. Coated optics. Achromatic 24mm diameter glass objective lenses. 3 element glass eyepieces. BK7 Porro prisms. Rubberized for easy grip and protection from the outside elements. Center focus. Center push on/off/rotate control to adjust right eyepiece focus. Adjustable for distance between your eyes. Has tripod thread, eyepiece covers, carrying case and neck strap. Nice sharp images in a compact size that's easy to carry anywhere. Get one for yourself and some for gifts. New.
T1492 $19.00

SWISS MILITARY PRISM BINOCULARS BY KERN

8x30 porro prism binoculars with individual focusing eyepieces. These were made in the 1960's by Kern of Aarau Switzerland for the Swiss Army. Kern was one of the most renowned makers of optical devices and merged in 1988 with the Wild Leitz group. Has date, swiss markings, serial number, states "Armee-Modell" and Kern, Aarau. These are clearly used but with the exception of some minor scratches or edge chips that will not effect the image, the optics are complete and in good condition. These are a rare find and includes the binocular case.

T1501 $65.00

KERSHAW MK3 BINO PRISM WWII FIELD BINOCULARS

These British-produced British military binoculars are rugged construction, intended for field use during World War II. The Kershaw MK3 features a porro-II prism design for improved light transmission, and 6x magnification. The four base ports allow for nitrogen purging to eliminate the fog-prone oxygen otherwise present in the optical path, and drying of all internal parts should the unit be water-saturated. Focusing is available for each eye. Each unit has a black-enameled brass body, coated optics, is marked BINO PRISM No. 2 MK3, X6, GRATICULES 1/2° APART AND 1/4° 1/2° AND 1° HIGH. Made between 1943 and 1944. These have seen the field, but are in very good working condition. Great military collectable that you can use and at a great price.

T1508 $49.00

ROSS OF LONDON MK4 BINO PRISM 7X50 WWII WIDE-FIELD BINOCULARS

These famous British-produced British military binoculars were developed especially for open sky surveillance during World War II. The Ross Mk IV features a porro-II prism design for improved light transmission, and a unique 7x50 configuration that provides for an exceptionally wide and bright field of view, and 7X magnification. The four top ports allow for nitrogen purging to eliminate the fog-prone oxygen otherwise present in the optical path, and drying of all internal parts should the unit be water-saturated. Individual eyepiece focusing. Each unit has a green-enameled body, coated optics, is marked BINO PRISM No. 5 MK4, X7, GRATICULES 1/2° APART AND 1/4° 1/2° AND 1° HIGH. These have seen the field but are in good working condition. Our understanding is that these were made in 1944.

T1509 $75.00

Books

TECH MANUAL FOR T-11/KC-1 AERIAL CAMERAS

One of our customers got his hands on the Operation and Maintenance Technical Manual, the Overhaul Technical Manual, and the Illustrated Parts Breakdown. We had some copies made and bound. There's about 300 pages. Covers Aerial Mapping Camera Type T-11, KC-1, KC-1B, and KC-9A.

M1498 $30.00

MILITARY OPTICAL DESIGN HANDBOOK

Complete reprint of this classic, hard to find 630 page book. this handbook was developed by the Department of Defense with the assistance of a leading optical manufacturer. It provides engineering personnel with an introduction to optical theory, and treats to an advanced level the fundamentals and principles of optical design.There are 26 sections, an appendix and a comprehensive index. There are 20 pages on eyepieces, 25 pages on mirror and prism systems, 25 pages on telescope objectives. Sections on microscope optics, infrared optical design, optical material, optical tests, coating, etc., etc. Military Standardization Handbook #MIL-HDBK-141, 5 October 1962. Lots of the optics referenced are available surplus.

M1514 $50.00

BOOK OF GERMAN MILITARY OPTICAL EQUIPMENT

Here's a book with the specs of German military binoculars and other optical equipment. Lots of interesting info and photos in this 92 page soft cover book. Only problem is that it's written in German. If you can read German, you need this. If not, it's easy to figure out what each spec means. Great photos and some very unusual instruments defined. Unused.

M2050 $17.50

FIBER LIGHTING BOOK FOR THE HOBBYIST AND CRAFTSMAN

This 36 page soft cover book by Walter A. Baldwin includes the basic principles of fiber lighting as well as basic construction techniques, craft applications and ideas. Fully illustrated with diagrams and photos. This is a great introduction to the use and application of fiber lighting in creative craft projects.

M2117 $4.50

Bulbs/Lamps

FLAME TIP BULB, 2.2 VOLT, .25A, MINI SCREW BASE

Low voltage, works with 1-1/2 volt batteries or your solar cells. Package of 4.
M2105P $0.65

MTD 300 WATT AIRPORT LANDING LIGHT

Made by GE. 300 watt, 6.6Amps. We guess that that means you need 48 volts to run it at full power. Mount is 12-1/2" long by 10" wide. If you have an airport or a landing strip for your airplane, you need these. If not, makes a great light.
M2113 $10.00

TUBULAR MEDICAL/APPLIANCE BULB, 15W-120VAC

Bi-Pin bayonet base. Medical/appliance bulb is 2-3/4" long. Base is 5/8" diameter. 120VAC, 15 watts. Unused.
M2137 $0.50 or 10 for $4.00

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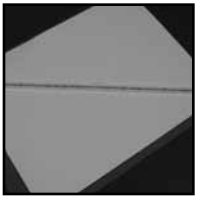
8 WATT U-BEND TYPE FLUORESCENT BLACKLIGHT BULB

FTB-8T6-BL 8 Watt blacklight fluorescent bulb. Black light is the popular term for ultraviolet energy near the visible spectrum. Blacklights are used for a wide variety of applications including color matching, curing, sanitization, particle identification, art display, recreation, automotive, R12 chemical leak detection, and lots of fun stuff. We couldn't find these specific ones listed anywhere so we may be the only source for these replacement bulbs for your blacklight devices. U Bend shape with 4 pin base. We've been told that there are adapters that will allow you to screw these into a regular light socket, but haven't found them yet. Unused.
M2138 $1.50 or 10 for $10.00

SYLVANIA 625T2-1/2Q/CL/S COPIER LAMP



Made for photocopiers. 12-1/2" long by 5/16" diameter. Unused in original packaging
M3020 $5.00

1600 WATT QUARTZ INFRARED LAMP

Unused. Made by Westinghouse. Model #1600T3, 1600 watts, 230/250V. Designed for quartz lamp radiant heaters. Average life is 5000 hours. 19.8" long with 6" flex leads. Light length is 16 inches. We did an internet search and find these selling for around $90 each.
R3059 $18.00 or 12 for $175.20

GE BXB PRECISION LAMP FOR OPTICAL DEVICES

General Electric Model BXB 8.5 volt 4 amp replacement bulb for sound movie projectors. Bulb is 3" long and has a 30mm diameter attachment plate which has 3 slots for a bayonet type locking mount. Unused in original box. We see them selling from between $6.00 and $11.44.
R3061 $2.75 or 10 for $20.00

Camera Lenses

CANON TV ZOOM LENS, 10.5MM TO 126MM, F/1.6

Like new Canon J12X10-16PZ TV zoom lens. Operates manual or motorized (needs 12 volts for motorized operation). Zooms from 10.5mm to 126mm. Fast f/1.6. Has macro and is 2/3" format. Includes hand strap and lens cap.
L1465 $125.00

35MM STEREO CAMERA LENS/SHUTTER ASSY

This is the complete integrated lens and shutter assembly made for the Revere 35mm stereo cameras. Dual quality coated camera lenses made by Wollensak of Germany with iris control from f/3.5 to f/22. One turn of the control adjusts both lenses. Shutter speeds from 1/2 second to 1/200 second with "B" and "T". Cock the shutter and release, both go at the same time. Coated optics. If you have ever wanted to build a 35mm stereo camera to take photos to use in your stereoscope, here's your opportunity. Or just get it for the two camera lenses, etc. Unused.

L2084 $19.50

RIKENON CAMERA LENS F/2.8, 55MM

Made by Ricoh for one of their 35mm cameras. Has focusing from 3' to infinity, but no iris. 55mm focal length, f/2.8. Quality, multi-coated optics. Includes lens cap.

L2120 $10.00

BURLE 75MM TV LENS "C" MOUNT AUTO IRIS

Unused beauty. Quality TV lens made by Burle. Model TC 1874C ES 75mm, f/1.8. Made for 1-inch format cameras. Has 24" long cable with 3 prong bayonet connector. Has level and ALC adjustments. Knurled ring focus adjustment. Standard "C" mount. Front and rear lens caps included. Original government cost was $574.23

L2151 $45.00

CARL ZEISS TESSAR CAMERA LENS

We had these before and sold out. Just got more in.Made in West Germany for we believe a 126 film format camera. These are unused overruns. Tessar f/2.8, 45mm focal length. Coated multi-element quality lens with iris. Iris alone is worth our price for the entire assembly. Includes bayonet front lens cover marked "ZEISS IKON".

L2158 $12.00

MILITARY GUN CAMERA LENS ASSEMBLY

Unused in the original military packing dated in the 1950's. These are 35mm focal length, f/3.5 Type-V. The ones we opened are made by Wollensak for Fairchild Camera and Instrument Corp, but it is possible that some were made by other manufacturers. Has iris adjustment from f/3.5 to f/16. There's a second knurled ring adjustment that doesn't seem to have any effect on the assembly. Also included is a clear filter that screws onto the front, and a lens guard for the back element. Multi-element system in mint condition. If you don't have a use for its optical capability, it still makes a nice inexpensive military collectable. Closing out at a super price!!

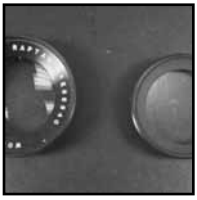
L2162 $10.00

BURLE 1" FORMAT 50MM CCD CAMERA LENS

Mint condition, Burle TV Lens model #TC1849C. ES series, 50mm f/1.8 auto iris. High quality coated optics. Standard "C" mount. For 1-inch format cameras. Iris range from f/1.8 to f/360. 62mm diameter by 51mm long with 8 pin iris connector. Takes 49mm filters. Has level and ALC adjustments. Knurled ring focus adjustment. Front and rear lens caps included. Like new.

L2198 $45.00

WOLLENSAK 160MM F/4.5 RAPTAR LENS SET



Unused beauties. Lens set consists of two mounted lens assemblies that were designed to go onto either side of the iris/shutter assembly for one of the cameras. We don't have the exact specs or spacing. Coated optics. Front assembly is 2-1/8" diameter (clear lens diameter is 1-3/8" diameter. Rear assembly is 1-3/4" diameter (clear lens diameter is 1-1/4". Focal length is 160mm. Only have a few.

L3096 $25.00

Cameras

KB18A MILITARY PANORAMIC AERIAL CAMERA W/ZEISS LENS

Designed for the U.S. Air Force for use in fighter/bomber aircraft or reconnaissance aircraft. It scans 180 degrees for photographic assessment of strike mission damage. It has automatic exposure control and a double Dove prism that rotates to provide the 2.25" by 9.40" image format. Takes 70mm by 250 ft. roll film. Has great resolution with the Carl Zeiss 3" focal length f/2.8 lens. Angle of view is 41 degrees, 6 seconds by 180 degrees. Shutter speeds from 1/100 to 1/4000. 300 exposures per roll of film. For unmodified use, needs 28VDC and 115VAC, 400 Hz. Partial manual copy included. Excellent condition. Manual copy included. Our low price was $375.00. Now closing them out!

I1433 $275.00

AGIFLITE KS-144A HAND HELD MILITARY AERIAL CAMERA SET

These were used by the military and take incredible photos. Includes razor sharp Carl Zeiss Tele-Tessar 350mm f/5.6 to f/45 telephoto lens and Carl Zeiss Sonnar 150mm f/2.8 to f/22 lens. Takes 70mm film and includes two magazines. Shutter speeds from 1/250 to 1/2000 sec. Camera and lenses in excellent condition. Case in fair condition. Includes Operator's Handbook copy. The Zeiss lenses alone are worth our price for the entire camera set. Sorry, but we can only ship these within the United States.

I1439 $595.00

GBC 1/2" MULTI-PURPOSE CCTV B&W CAMERA.

Model CTC-2200 made by GBC CCTV Corp. They are like new and come with a 15VDC, 600mA power supply that plugs into standard 117VAC, 60Hz. Can also be battery operated from a 15 to 18VDC source. Designed for many months of use without adjustments, making it ideal for unattended operation. Features 2 to 1 interlace for the sharpest image transmission, and features automatic light compensation for clear pictures from dawn to dusk. Has SO-259 coaxial socket to accept PL-259 plugs. Includes threaded mounting holes on top and bottom for table, ceiling or wall mounting. Takes standard "C" mount lenses (not included). These are government surplus so should be very good quality. 1/2" vidicon CCTV format. Camera is 8-1/2" long by 4-1/2" wide by 2" high.

I1440 $45.00

KB-18B MILITARY PANORAMIC AERIAL CAMERA W/ZEISS LENS

These are unused, mint condition and include the camera control and body cover. The camera is the same design as the KB-18A except that the magazine assembly has been improved.Designed for the U.S. Air Force for use in fighter/bomber aircraft or reconnaissance aircraft. It scans 180 degrees for photographic assessment of strike mission damage. It has automatic exposure control and a double Dove prism that rotates to provide the 2.25" by 9.40" image format. Takes 70mm by 250 ft. roll film. Has great resolution with the sharp Carl Zeiss 3" focal length f/2.8 lens. Angle of view is 41 degrees, 6 seconds by 180 degrees. Shutter speeds from 1/100 to 1/4000. 300 exposures per roll of film. For unmodified use, needs 28VDC and 115VAC, 400 Hz. Modification suggestions included for land use. We do not have cables. Manual copy included.

I1475 $475.00

KS-144A AGIFLITE BATTERY CHARGER

If you've got a KS-144A camera system, then you need one of these to charge your battery. Can charge 3 batteries at one time. Has a 60mA and 600 mA current select switch and has a timer to charge up to 14 hours. Only have a few.

R1130 $100.00

TEKTRONIX C-51 SCOPE CAMERA W/WRITING SPEED ENHANCER

Same as our #R1458 but has the Tektronix writing speed enhancer attached. This is one of the fastest writing speeds of any Tektronix scope camera. Has electronic-actuated shutter, photometer exposure aid and automatic single-sweep control. The lens assembly is a JML Optical 56mm f/1.2 lens. Not sure how it gets its power. There is a 6 prong plug on the side. We have seen these selling used for over $1600.00. The lens alone is worth our price for the entire unit. Good condition.

R1459 $65.00

COLOR CCD CAMERA <$10

ZoomCam ISA Model 1575 made by Zoom Telephonics. These are unused and include a 10 foot cable with ferrite noise filter and 9-pin circular mini-DIN plug to connect into your video-ready faxmodem or video capture card (modem or card not included). This camera has a lot of features and a wealth of parts. Includes a high-quality f/1.9 multi-element anti-reflection coated lens with a focal length of 4.8mm and a 50 degree wide angle field of view. Adjustable focus from 2 inches to infinity. The camera automatically adjusts for exposure, contrast, backlight, and fluorescent light "flicker" for high performance over a broad range of light conditions. Resolution is 352 X 288 pixels. It uses an advanced CMOS array to provide high resolution color live action video or point-and- click imagecapture. With a little creativity you should be able to adapt this to an unlimited amount of uses. Will run off 9 volts DC. Power consumption is 600mW nominal, 48mW sleep mode. We don't have schematic diagrams, so you will have to do some tracing to see what each pin goes to. Should be a fun and rewarding project. There are drivers that can be downloaded from http://www.zoom.com/ts1/cam/isa.shtml. The case is a contemporary design with weighted base and only 1.88" wide by 3.3" long by 2.43" high and has a standard mount for camera tripod. Take a look at all 3 photos to get a better idea of what you will get for such a pittance. Unused

R1460 $9.75

300,000 PIXEL 8X30 BINOCULAR/DIGITAL CAMERA

300,000 PIXEL 8X30 BINOCULAR/DIGITAL CAMERA Standard 640 x 480 resolution camera built into a quality 8x30 binocular. Coated optics. Center focus control and right ocular adjustment. Exit aperture is 15mm and eye relief is 12.5mm. Includes these features: Easily download your photos to your computer via it's USB port (plug & play); Has 8MB internal memory (can store 120-160 photos in highest resolution or 1.5 minutes of video); Video mode; automatic shutoff; LCD screen indicator; auto white balance; auto exposure; and more. Includes case, Photo Manager software, USB cable, and user's manual. Great for concerts, sporting events, hunting, bird watching, etc. Photo what you see! Runs off 2 standard AAA alkaline batteries (not included). System requirements: Windows 98SE or 2000 or ME or XP; Pentium 233MHz or higher; 128MB SDRAM; Video card with 2MB RAM; CD-ROM; USB port; and 600MB of free hard drive space. Unused. Only have a few

T1507 $69.00

Compass Parts

JOHN E. HAND 7-1/2" COMPASS CARD

If you have one of the large brass John E. Hand military compasses that needs a replacement compass card, you are in luck! Looks like this is made of an acrylic material. Disc is 7-11/16" diameter. This is an original John E. Hand & Sons of Philadelphia part. If you don't have a compass to put these in, this should make a nice collectable. Put it in a frame and hang it on the wall in your family room or office.

M2179 $15.00

JOHN E. HAND 2-1/2" NAVY COMPASS CARD

If you have one of the Navy John E. Hand military compasses that needs a replacement compass card, you are in luck! Made of aluminum, the card is 2-1/2" diameter and has degrees in 10's with markers at the half way spot and lines for each 2 degrees This is an original John E. Hand & Sons of Philadelphia part. If you don't have a compass to put these in, this should make a nice collectable. Put it in a frame with our M2179 and M2181 and hang it on the wall in your family room or office.

M2180 $5.00

JOHN E. HAND 4-7/8" MILITARY COMPASS CARD

If you have one of the John E. Hand military compasses that needs a replacement compass card, you are in luck! Made of aluminum, the card is 4-7/8" diameter and is different from the other ones we have in that the degrees are in two levels and go around the card about 3/4 of the way. This is an original John E. Hand & Sons of Philadelphia part. If you don't have a compass to put these in, this should make a nice collectable. Put it in a frame with our M2179, M2180 and M2181, and hang it on the wall in your family room or office.

M2195 $7.50

JOHN E. HAND 2-1/2" DIAMETER MILITARY COMPASS CARD

If you have one of the Navy John E. Hand military compasses that needs this replacement compass card, you are in luck! 2-1/2" diameter black-enameled aluminum with white numerics and notations, has degrees in 10's with markers at the half way spot and lines for each 2 degrees, with additional directional pointers and reversed numerics for mirrored compasses. Includes attached center spindle and bottom 4-hole mounting bracket. This is an original John E. Hand & Sons of Philadelphia part. If you don't have a compass to put these in, this should make a nice nautical collectable. Put it in a frame with our M2179, M2180, and M2181 for display in your family room or office.
M2207 $7.00

Educational Optics

EDUCATIONAL SET OF 50MM LENSES

Set of 6 lenses, 50mm diameter. Made of glass with polished faces and ground edges. Set consists one each of the following: double convex, plano-convex, converging concave-convex, diverging convex-concave, double concave, and plano-concave. Set comes in a hinged wood display box.
L1875D $12.00

EDUCATIONAL DCX 38MM X 50MM

Part of our educational optics series. Double convex, spherical glass lens, with a focal length of approx. 50mm and diameter of 38mm. Made of glass with polished face and ground edges. Refractive index is approx. 1.52. Unused and individually boxed. Perfect for educational projects, but focal length is not in close tolerance from lens to lens, so not good for use in a product you are going to manufacture where the focal length needs to be exactly the same.
L1901D $1.50 or 10 for $12.00

EDUCATIONAL DCX 38MM X 75MM

L1902D $1.40 or 10 for $11.00

EDUCATIONAL DCX 38MM X 150MM

L1903D $1.25 or 10 for $9.00

EDUCATIONAL DCX 38MM X 200MM

L1904D $1.25 or 10 for $9.00

EDUCATIONAL DCX 38MM X 250MM

L1905D $1.25 or 10 for $9.00

EDUCATIONAL DCX 38MM X 300MM

L1906D $1.25 or 10 for $9.00

EDUCATIONAL DCX 38MM X 500MM

L1907D $1.25 or 10 for $9.00

EDUCATIONAL DCX 38MM X 1000MM

L1908D $1.25 or 10 for $9.00

EDUCATIONAL DCX 50MM X 50MM

L1911D $1.75 or 10 for $12.00

EDUCATIONAL DCX 50MM X 75MM

L1912D $1.75 or 10 for $12.00

EDUCATIONAL DCX 50MM X 150MM

Part of our educational optics series. Double convex, spherical glass lens, with a focal length of approx. 150mm. Made of glass with polished face and ground edges. Refractive index is approx. 1.52. Unused and individually boxed. Perfect for educational projects, but focal length is not in close tolerance from lens to lens, so not good for use in a product you are going to manufacture where the focal length needs to be exactly the same.

L1913D $1.50 or 10 for $10.00

EDUCATIONAL DCX 50MM X 200MM

L1914D $1.50 or 10 for $10.00

EDUCATIONAL DCX 50MM X 250MM

L1915D $1.50 or 10 for $10.00

EDUCATIONAL DCX 50MM X 300MM

L1916D $1.50 or 10 for $10.00

EDUCATIONAL DCX 50MM X 500MM

L1917D $1.50 or 10 for $10.00

EDUCATIONAL DCX 50MM X 1000MM

L1918D $1.50 or 10 for $10.00

EDUCATIONAL DCV 38MM X -50MM

L1951D $1.50 or 10 for $12.00

EDUCATIONAL DCV 38MM X -75MM

L1952D $1.40 or 10 for $11.00

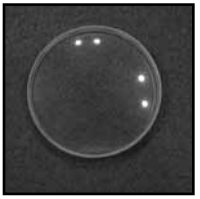
EDUCATIONAL DCV 38MM X -150MM

L1953D $1.25 or 10 for $9.00

EDUCATIONAL DCV 38MM X -200MM

L1954D $1.25 or 10 for $9.00

EDUCATIONAL DCV 38MM X -250MM



Part of our new educational optics series. Double concave, spherical glass lens, with a focal length of approx. -250mm. Made of glass with polished face and ground edges. Refractive index is approx. 1.52. Unused and individually boxed. Perfect for educational projects, but focal length is not in close tolerance from lens to lens, so not good for use in a product you are going to manufacture where the focal length needs to be exactly the same.

L1955D $1.25 or 10 for $9.00

EDUCATIONAL DCV 38MM X -300MM

L1956D $1.25 or 10 for $9.00

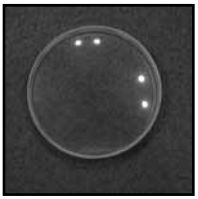
EDUCATIONAL DCV 38MM X -500MM

L1957D $1.25 or 10 for $9.00

EDUCATIONAL DCV 38MM X -1000MM

L1958D $1.25 or 10 for $9.00

EDUCATIONAL DCV 50MM X -50MM



Part of our educational optics series. Double concave, spherical glass lens, with a focal length of approx. -50mm. Made of glass with polished face and ground edges. Refractive index is approx. 1.52. Unused and individually boxed. Perfect for educational projects, but focal length is not in close tolerance from lens to lens, so not good for use in a product you are going to manufacture where the focal length needs to be exactly the same.

L1961D $2.00 or 10 for $16.00

EDUCATIONAL DCV 50MM X -75MM

L1962D $1.75 or 10 for $12.00

EDUCATIONAL DCV 50MM X -150MM

L1963D $1.50 or 10 for $10.00

EDUCATIONAL DCV 50MM X -200MM

L1964D $1.50 or 10 for $10.00

EDUCATIONAL DCV 50MM X -250MM

L1965D $1.50 or 10 for $10.00

EDUCATIONAL DCV 50MM X -300MM

L1966D $1.50 or 10 for $10.00

EDUCATIONAL DCV 50MM X -500MM

L1967D $1.50 or 10 for $10.00

EDUCATIONAL DCV 50MM X -1000MM

L1968D $1.50 or 10 for $10.00

Electric Components

NIDEC BETA V WISPER FAN

12VDC brushless fan #TA225DC. Nidec Model M33404-18G. Has 7 blades and unit is 2-1/4" square. Mounted on a metal frame that is 9-1/2" long with holes to fit into a specific unit. Mounting can be easily removed. Has 2-1/2" lead with 2 pin pc connector. Includes fan guard.

M2027P $3.00

SUNON 60MM SQUARE 12VDC BRUSHLESS FAN

Unused Sunon 12VDC, 2.2W brushless fan model #KDE1206PHSI. Fan is 60mm square and 15mm deep with 12" leads.

M2152 $3.50

SWITCHCRAFT 2 POSITION DPDT SLIDER SWITCH

Switchcraft 2 position switch operates at 3A 125vac or .5A at 125vdc. Aluminum housing is 1 3/8" long x 3/4" wide with 2 mounting holes. Has 9 copper contacts on rear of switch. Throw is black and 5/16" long. Unused.

M2166 $0.75 or 10 for $5.00

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2 POSITION SPST TOGGLE SWITCH

Two position toggle switch is 35mm from tip of switch to rear. Threaded for mounting and includes 6 sided nut. Rated at 3A at 250 volts and 6A at 125 volts. Switch is barbell design and made of metal.

M2182 $0.75 or 10 for $5.00

LIGHTED 3-COLOR, 3-POSITION SWITCH

Measuring 3" deep x 3/4" wide, this well-constructed switch appears to be constructed for DC operation. It's composed of a zinc frame, opaque three-position flip lever with a small red, yellow, and green filter attached to be rear, in front of a 1/2" long x 3/16" wide bulb (up=green, center=yellow, down=red). The lever is held in position by a series of insulated spring steel tabs that each have a solder terminal in the rear of the switch. The switch front panel has two 1mm threaded mounting holes.

M2186 $3.50

MINIATURE BATTERY STATUS METER

Brand new stock, manufactured by Hunt Electronics Co. of Dallas TX. The meter measures 1 3/8" wide x 11/16" high x 1 1/2" deep, with plastic casing, black needle, red "Replace", yellow, and green "Good" zones, dual rear solder tabs, and should fit a 1 5/16" x 5/8" (33mm x 16mm) panel hole. Without additional components, 3VDC brings meter to full scale.

M2187 $0.75 or 10 for $6.00

LEVITON 125/250VAC TURN SWITCH

Two position switch, measuring 20mm long x 18mm wide x 30mm total depth (20mm mast height). Threaded for mounting in a 10mm hole, includes mounting hex nut and connection wiring (approx. 5" black, 25" red). Rated 3A @ 125V, 1A @ 250V, 1A @ 125VT.

M2188 $0.75 or 10 for $6.00

JUD-CO PRESSURE PUSH ON/PUSH OFF SWITCH

Two-position switch, measuring 17mm long x 13mm wide x 25mm total depth (17mm mast height). Threaded for mounting in a 10mm hole, includes mounting ring and connection wiring (three wires, each approx. 4" long). No switch rating; wiring indicates 300V 80 degrees C.

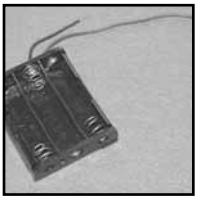
M2189 $0.50 or 10 for $4.00

30MM WIRE-WOUND FERRITE RING/CORE

An interesting component for the electronics "do-it-yourselfer"! A 30mm diameter x 8mm high gray Ferrite ring/core, wound with red plastic-insulated fine gauge conductive wire. May have been designed to be used as a filter choke in a power supply, but no doubt you'll have other use ideas. We've got a good supply, so if you build a product that needs them, we've probably got the quantity you need.

M2199 $0.50 or 10 for $4.00

BATTERY HOLDER – 3 AA CELLS



A must-have for those DC battery-powered projects and for quick replacement of an existing holder! New 2 5/16" long x 1 15/16" wide x 5/8" high black plastic 3-battery holders with contacts, springs, and pre-wired.

M2209 $0.35 or 10 for $2.50

SMALL-SIZED AC SPST PANEL SWITCH

Two position panel switch, made in Japan. Specification ranges are 5A @ 125VAC and 3A @ 250VAC. Measures 13/16" long x 5/8" wide x 3/4" deep (under the faceplate), with black plastic construction, 3 tab connectors (solderable), and plastic side pressure mounting prongs. Mounts in a 1/2" x 3/4" hole. Unused.

M2217 $0.50 or 10 for $4.00

ALCO MSM-5A SINGLE-DIGIT LED MOSAIC INDICATOR

Manufactured by ALCO Electronic Products Inc. of Lawrence MA, these replacement LED digit display/indicators measure 1 1/8" high x 1/2" wide x 1 5/16" deep. They feature 1/2" high x 1/4" wide digit and 1/16" diameter lower decimal point in a 3/4" high x 1/2" wide screen area, and multi-color 9-conductor power cable. Lamp rated at 3V, 50 mA. New stock in original packing and boxes.

M2225 $5.00

9V RED LED W/SWITCH, RESISTOR & LEADS

New This Week, 12/16/01Works off 9vdc battery. Great for astronomy use with your dark adapted eyes, or build into your equipment. LED is mounted on switch assembly with 20 Ohm resistor, and 4-1/2" long leads (center lead is positive).
R1439 $0.60 or 10 for $5.00

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3 CONDUCTOR ELECTRICAL CORD

40" long electrical cord with 3 prong male on one end and female on the other end. This is the type that will fit your computer, printer, and other electronic equipment.
R1446 $1.50

SNAP MOUNT 6800 MICROFARAD CAPACITOR, 25VDC

Aluminum snap mount electrolytic capacitor, 6800 microfarad, 25 VDC. Length is 1.57" and diameter is 1". These were made for Panasonic by ACOM division of Matsushita Electric. Unused.
R1462L $0.85 or 10 for $7.00

TRON HEB-AA IN-LINE WATERPROOF FUSEHOLDER

In-the-line waterproof fuseholder by Tron. For trouble free fuse protection in wet locations on circuits of up to 600V, 30A. For 13/32" x 1-1/2" fuses. Wire range #12 to #8. Unused.
R1464L $3.00

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20 FEET COAXIAL CABLE WITH CONNECTORS

Antenna Specialists #K-198 cable assembly. 20 feet of RG58/U coaxial cable with UHF male (PL259) connector on one end and second male PL259 "Goldline" plug packaged loose. Unused in original box.
R1465L $4.00

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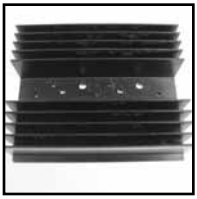
20 FOOT STEREO HEADPHONE CABLE

For connection between headphones and amp/receiver, etc. Stereo 1/8" mini plug to stereo 1/4" phone jack. Unused.
R2021L $3.00

HEAT SINK, 5.4" X 4.5" X 1.4"



Black anodized aluminum heat sink with 10 fins. Has mounting holes between the fins and component mounting holes in the center. Center is 1-1/4" wide. Unused.
R2029 $3.00

SANGAMO DUAL 3300 MFD AXIAL LEAD ELECTROLYTIC CAPACITOR

Sangamo type 301AJT332U040B. Capacitor specifications are dual 3,300 microfarads, 40vdc, -55 degrees Celsius to +105 degrees Celsius. Capacitor body is 3 9/16" long x 1" diameter and the aluminum tinned leads are 1 3/4" long. Two leads from one side and one lead from the other. Unused.
R2036 $1.50

12VDC SOLENOID VALVE

Originally designed for use in automotive anti-pollution systems, these valves are perfect for low volume vacuum or air pressure applications. Normally open valve. When energized, port closes and other port vents. Plastic body purge valve, 50 PSID maximum operating pressure. 30 ohm coil, draws 0.4 amps. PC mount solder terminals. 2-3/4" x 1" x 1-3/4". Unused.

R3041 $1.25

KLIXON/TI 250VAC, 1.5AMP CIRCUIT BREAKER

Single pole circuit breaker, Model #51MC2-123-1.5. Has toggle type on/off. 250VAC, 60 Hz, 1.5 amps. Behind panel curve 123. 2" x 2" x 0.75".
R3042 $1.25

CENTRALAB 5 POSITION, 4 POLE ROTARY WAFER SWITCH

These were made by Centralab for H.H.Scott. PC mount with 1/4" diameter by 1/2" long shaft. 3 wafers are shorting and back wafer is non-shorting. Unused.
R3043 $4.50

TV HIGH VOLTAGE FLYBACK TRANSFORMER

Flyback transformers boost the low voltage power supply output (typically 120 volts in a TV) to 30Kv for cathode ray tube operation. This transformer is #22 AWG wire rated to 105 degrees Celsius and supplies 30Kv to the CRT. Type BWF-2. Made in Taiwan and unused.

R3046 $4.00

HEAT SINK, 16" X 4" X 1.25"

Aluminum heat sink with 10 fins. Center is 1 3/8" wide and there are no mounting holes. Fins extend on both sides (no flat side).

R3050 $7.00

RED LED WITH 8" LONG CABLE AND MINI PHONE PLUG

Mini phone plug on one end and red LED on the other. Should make a good panel indicator as the plastic LED holder will fit snug in a panel hole. Cut the cable in 2 and wind up with a mini plug and a mounted red LED. Will light with a 1-1/2V battery. Assembly is 8-1/2" long. Unused.

R3052 $0.75 or 10 for $6.00

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3 SECTION VARIABLE CAPACITOR

We don't have the specs on these, but our understanding is they were made to be used in radio receivers. 3-1/4" long by 1-7/8" wide. Shaft is 3" long.

R3055 $4.50

BABCOCK 6VDC HC-RELAY, ENCLOSED

Model AP342095 6VDC enclosed relay. Probably made to easily fit on a circuit board. 8 pins on the bottom. Here are the numbers on one side of the relay: In addition to the AP number above, there is "5A250VAC" and "HC2-P-DC6V". On the other side: "MATSUSHITA"; "7A 1/6HP 125,250VAC"; "3A30VDC". Hope you know what all this means! Unused.

R3058 $1.75

3-PIN COPPER-WOUND VARIABLE CHOKE
Brand new bulk stock: 9 uH chokes for your electronics project needs. These units measure 40mm long x 16mm in diameter, with white plastic spool-like construction, top section copper wire winding, and black plastic base with 3-pin connection/contacts. Has ferrite tuning core. The top of the choke is labeled 433-510, and l 9.
R3068 $1.00 or 10 for $8.00

HH SCOTT DUAL POT VOLUME CONTROL

Manufactured by CentraLab for HH Scott to be used in one of their audio amplifiers. CentraLab part # BA1115-008. HH Scott part # 021-1125-060. 1" long x 3/8" diameter shaft, dual connected turnpot base, each pot has 4 connections. Unused.
R3069 $2.50

Eyepieces/Sets

SMALL EYEPIECE LENS ASSY
Looks like 4 elements, coated and mounted in a outside threaded barrel 12.6mm diameter by 9.4mm long. Focal length about 10 mm. Short eye relief but good field of view and sharp color corrected images. You'll need to get creative to find a way to fasten this to a standard size eyepiece holder.
L1620 $5.00

9.25X BRASS MICROSCOPE EYEPIECE
Standard 23mm size. Long eye relief, great for eyeglass wearers. Multiple elements, coated. Not a wide field, but sharp images. Beautiful brass eyepiece.
L1640 $15.00

EYEPIECE LENS SETS - RKE, 11.5MM FL
Here's the optics you need to build your own eyepieces. We include some basic mounting instructions, or use your own ideas. Most of the achromats are coated, and some of the DCX (double convex) or PCX (plano convex) are also coated. Here's what you get: RKE: One achromat and one DCX or PCX
L1650 $3.50

EYEPIECE LENS SETS - SUPER PLOSSL, 26MM FL

Here's the optics you need to build your own eyepieces. We include some basic mounting instructions, or use your own ideas. Most of the achromats are coated, and some of the DCX (double convex) or PCX (plano convex) are also coated. Here's what you get: SUPER PLOSSL: Two achromats and one DCX

L1714 $6.50

EYEPIECE LENS SETS - ERFLE, 35MM FL

Here's the optics you need to build your own eyepieces. We include some basic mounting instructions, or use your own ideas. Most of the achromats are coated, and some of the DCX (double convex) or PCX (plano convex) are also coated. Here's what you get: ERFLE: Two achromats and one DCX or PCX

L1716 $9.50

PROFESSIONALLY MADE PLOSSL EYEPIECES - 12.5MM FOCAL LENGTH

Standard 1-1/4" size plossl, 4 element coated eyepieces with metal barrel, eyeguard, and threaded for filters. 52 degree field of view. 10mm eye relief. Well corrected, and a great value. Unused.New,lower price. Was $28.50

L1721 $22.50

PROFESSIONALLY MADE PLOSSL EYEPIECES - 25MM FOCAL LENGTH

Standard 1-1/4" size plossl, 4 element coated eyepieces with metal barrel, eyeguard, and threaded for filters. 52 degree field of view. 20mm eye relief. Also has a rubber finger grip. Well corrected, and a great value. Unused.

L1722 $28.50

PROFESSIONALLY MADE PLOSSL EYEPIECES - 40MM FOCAL LENGTH

Standard 1-1/4" size plossl, 4 element coated eyepieces with metal barrel, eyeguard, and threaded for filters. 43 degree field of view. 32mm eye relief. Also has rubber finger grip. Well corrected, and a great value. Unused.

L1723 $28.50

2X BARLOW LENS 1-1/4" ACHROMATIC

Professionally made barlow lens, achromatic and coated. Metal barrel for standard 1-1/4" eyepieces. Doubles the power of your eyepieces. Includes front and rear covers and eyepiece set screw. Unused.
L1731 $28.50

PROFESSIONALLY MADE PLOSSL EYEPIECES - 6.5MM FOCAL LENGTH

Standard 1-1/4" size plossl, 4 element coated eyepieces with metal barrel, eyeguard, and threaded for filters. 52 degree field of view. 6mm eye relief. Well corrected, and a great value. Unused.New,lower price.
Was $28.50
L1732 $22.50

PROFESSIONALLY MADE 10MM PLOSSL EYEPIECE

Standard 1-1/4" size plossl, 4 element coated eyepieces with metal barrel, eyeguard, and threaded for filters. 51 degree field of view, and 8mm eye relief. Well corrected, and a great value. Unused.New,lower price.
Was $28.50
L1795 $22.50

4MM INEXPENSIVE 0.967 TELESCOPE EYEPIECE

Made to fit the 0.967 Japanese standard. 2 element Huygenian eyepiece. Unused with plastic container.
L1796 $3.75

6MM INEXPENSIVE 0.967 TELESCOPE EYEPIECE

Made to fit the 0.967 Japanese standard. 2 element Huygenian eyepiece. Unused with plastic container.
L1797 $3.75

8MM INEXPENSIVE 0.967 TELESCOPE EYEPIECE

Made to fit the 0.967 Japanese standard. 2 element Huygenian eyepiece. Unused with plastic container.
L1798 $3.75

12.5MM INEXPENSIVE 0.967 TELESCOPE EYEPIECE

Made to fit the 0.967 Japanese standard. 2 element Huygenian eyepiece. Unused with plastic container.
L1799 $3.75

20MM INEXPENSIVE 0.967 TELESCOPE EYEPIECE

Made to fit the 0.967 Japanese standard. 2 element Huygenian eyepiece. Unused with plastic container.
L1800 $3.75

25MM INEXPENSIVE 0.967 TELESCOPE EYEPIECE

These are made to fit the 0.967 Japanese standard. We have several different focal lengths. All are 2 element Huygenian eyepieces. Unused with plastic container.
L1801 $3.75

2", 80MM FL, PLOSSL EYEPIECE

4 element Plossl design. We used surplus optics to build these. Some elements originally cost our government hundreds of dollars each. Fits standard 2" telescope focuser. 4 elements, 4 all coated. Super eyepiece for the price. Unused FL 80mm, FOV 35 degrees (Barrel Limited), ER 65mm, EA 35mm Focal Length (FL), Field of View in degrees (FOV), Eye Relief (ER), Clear Exit Aperture (EA)
L1837 $39.50

10X WIDE FIELD MICROSCOPE EYEPIECES

Standard microscope eyepiece size. Coated optics. Wide field. 10X. Unused in plastic container with threaded cap.
L1861D $12.50

15X WIDE FIELD MICROSCOPE EYEPIECES

Standard microscope eyepiece size. Coated optics. Wide field. 15X. Unused in plastic container with threaded cap.
L1862D $12.50

10X HUYGENIAN MICROSCOPE EYEPIECE

Huygenian design is most widely used in microscopes. Standard size. 10X. Unused, with plastic container. Good quality especially for the price!!
L1863D $6.50

2", 38MM FL, ERFLE EYEPIECE UPGRADED

Our great 2" eyepiece is now even better. We added a black anodized aluminum barrel that's threaded for filters. 5 element erfle design. We used surplus optics to build these. Some elements originally cost our government hundreds of dollars each. Fits standard 2" telescope focuser. Coated optics. 60 degree field of view, 16mm eye relief, and 35mm clear exit aperture. Super eyepiece for the price. Unused.
L2008A $47.50

PROFESSIONALLY MADE 30MM PLOSSL EYEPIECE

New This Week, 12/16/01Standard 1-1/4" size plossl, 4 element coated optics with metal barrel, eyeguard, threaded for filters, and rubber finger grip. 46 degree field of view, 24mm eye relief, and 30mm focal length. Well corrected, and a great value. Unused.
L2022 $28.50

PROFESSIONAL 15MM KELLNER 1-1/4" EYEPIECE

Kellner eyepieces were the most popular eyepieces for moderately wide field telescopic systems prior to the advent of some of the newer (and more expensive) designs. 3 element coated optics with field of view approximately 40 degrees and eye relief about 10mm. Fits standard 1-1/4" focusers. Metal barrel with knurled finger grip, and threaded for filters (thread is courser than that used for standard eyepiece filters, but ID is slightly larger. Put a little masking tape over the outside thread of your filter and it will screw in nice and secure). 15mm focal length. Plastic container included. Unused and a great value.
L2032 $17.50

7.5MM FL 1-1/4" EYEPIECE
Six element design for sharp image from edge to edge. 40 degree field of view. Eye relief is 10mm, and exit aperture is 6.5mm. Coated optics and threaded for filters. Unused.
L2062 $19.50

PROFESSIONALLY MADE PLOSSL EYEPIECES - 4MM FOCAL LENGTH
Standard 1-1/4" size plossl, 4 element coated eyepieces with metal barrel, eyeguard, and threaded for filters. 52 degree field of view. 5mm eye relief. Well corrected, and a great value. Unused.
L2063 $28.50

INEXPENSIVE .967 MIRROR STAR DIAGONAL
These are made to fit the 0.967 Japanese standard. 90 degree mirror diagonal. View the stars without neck damage. Fits 0.967" telescope focusers and accepts 0.967" eyepieces. Includes end caps and thumbscrew to secure your eyepiece. Unused.
L2070 $3.95

MEADE 26MM SUPER PLOSSL 1-1/4" EYEPIECE

Series 4000 multicoated super plossl eyepiece made by Meade. Unused in original box. Our price is much lower than Meade dealer cost. Only have a few.
L2077 $35.00

9.5MM EYEPIECE W/RETICLE, 1-1/4"
3 element, Kellner design eyepiece, threaded for filters. Fits standard 1-1/4" focusers. Has crosshair reticle which can easily be removed if you don't need it. Clear exit aperture is 12mm with 6mm eye relief. Nice field of view (at least 40 degrees). New coated optics.
L2083 $19.50

INEXPENSIVE 1-1/4" 20MM TELESCOPE EYEPIECES

Huygenian 2 element design. Standard 1-1/4" size. 20mm focal length. Metal barrel. Unused.
L2086 $5.95

PROFESSIONALLY MADE 20MM PLOSSL EYEPIECE

Standard 1-1/4" size plossl, 4 element coated optics with metal barrel, eyeguard, threaded for filters, and rubber finger grip. 52 degree field of view, 20mm focal length and 16mm eye relief. Well corrected, and a great value. Includes plastic eyepiece container. Unused.

L2163 $28.50

PROFESSIONALLY MADE 15MM PLOSSL EYEPIECE

Standard 1-1/4" size plossl, 4 element coated optics with metal barrel, eyeguard, and threaded for filters. 52 degree field of view, 15mm focal length and 12mm eye relief. Well corrected, and a great value. Includes plastic eyepiece container. Unused.

L2164 $28.50

INEXPENSIVE 1-1/4" MIRROR STAR DIAGONAL

90 degree mirror diagonal. View the stars without neck damage. Fits standard 1-1/4" telescope focusers and accepts standard 1-1/4" eyepieces. Mirror appears to be decent quality. Plastic tubing. Includes end caps and thumbscrew to secure your eyepiece. Unused.

L2177 $9.75

2", 53MM FL, PLOSSL EYEPIECE UPGRADED

Our great 2" eyepiece is now even better. We added a black anodized aluminum barrel that's threaded for filters. 4 element Plossl design. We used new coated optics to build these. Fits standard 2" telescope focuser. Perfect eye relief for eyeglass wearers. Super eyepiece for the price. Unused FL 53mm, FOV 50 degrees (Barrel Limited), ER 60mm, EA 35mm Focal Length (FL), Field of View in degrees (FOV), Eye Relief (ER), Clear Exit Aperture (EA)

L2189A $47.50

2", 12.5MM TELESCOPE EYEPIECE

Our highest power 2" eyepiece to date is an eight element design (2 doublets and 4 air-spaced single elements) with coated optics. Provides a flat, sharp image and a nice wide field of view. We don't have the equipment to measure all the exact specs, but from our visual sky tests, this is one of the best we've seen. You'll love it or your money back-no questions (that's our policy on everything). Fits standard 2" focusers. 12.5mm focal length. 20mm eye relief. Only had the optics to make a small quantity.
L2200 $60.00

16MM FL 1-1/4" 4 ELEMENT EYEPIECE

You'll get sharp color corrected images thru your telescope with this all air spaced 4 element design. Fits standard 1-1/4" focusers. 16mm focal length with a 25mm eye relief. Perfect for eyeglass wearers. Exit Aperture is 10mm. Coated optics. Unused.
L3024 $17.50

QUALITY 40MM .967 EYEPIECE

We've had lots of requests for quality long focal length .967 size eyepiece to fit the smaller Japanese standard telescope focusers. This is a well corrected 40mm focal length 3 element eyepiece with multi-coated optics. Great eye relief of 35mm is excellent for eyeglass wearers. Exit aperture is 13mm
L3025 $17.50

HUGE MILITARY ERFLE EYEPIECE W/RETICLE

Incredible wide field with bullseye reticle. 38mm focal length. Not sure what kind of optical instrument these were made for as they are large, heavy and have lots of metal. Weighs 3 pounds. Front and rear lens element clear diameter is 1-3/4". Mounting ring diameter is almost 4" diameter. Coated optics. Only have a few.
L3029 $65.00

ZOOM EYEPIECE?? 15MM TO 25MM

If you are building your own scope and don't need standard eyepiece size, this is for you! This is a multi-element zoom lens assembly that was made for some projection system. Coated optics. Zooms from 15mm to 25mm with a smooth push/pull operation, and gives great images with one of our copy lenses, objectives or the new L3042 triplet. Nice field of view as well. Coated optics. Large end of the barrel is 1-3/8" diameter (just a bit larger than the standard 1-1/4" telescope eyepiece - maybe you can build an adapter). Like new condition.

L3042 $11.50

6.5MM WIDE ANGLE 1-1/4" EYEPIECE

This is the best we've seen in a high power eyepiece. Wide 65 degree field of view, 10 glass lens elements, all coated. Clear exit aperture is 11mm and eye relief is 10mm. Sharp images. Barrel is threaded for filters. Includes eyepiece container. Unused.

L3061 $32.50

15MM TO 25MM ZOOM 1-1/4" EYEPIECE

This is a 7 element zoom eyepiece (see second photo for breakdown of parts). Coated optics. Zooms from 15mm to 25mm with a smooth push/pull operation, and gives nice sharp images. Better than 50 degree field of view and 15mm eye relief. Fits standard 1-1/4" focusers. May not work full range with a Newtonian scope because of the limited focuser travel. Unused.

L3073 $22.50

38MM FL WIDE FIELD BRASS MILITARY EYEPIECE

Brass military eyepiece. 3 element design with extra large field lens. Gives nice sharp flat images edge to edge. Barrel is not a standard size (38mm diameter). Approx 60 degree field of view. Eye relief is 15mm. Clear exit aperture is 21mm. Field lens is 36mm diameter. All brass. 38mm focal length. Probably made in the 1940's so this may be an antique military collectable as well. Also makes a great flat field achromatic magnifier. Excellent condition.

L3085 $15.00

2" 62MM PLOSSL EYEPIECE

This eyepiece is a 4 element Plossl design with coated optics and has a threaded barrel which accepts 48mm filters. Field of view is approximately 50 degrees and eye relief is a comfortable 2.5 inches so this is perfect for those who wear eyeglasses. Exit aperture is 1 3/8 inches. Fits standard 2" focuser and all of the elements are new and coated. Great eyepiece and price.

L3147 $47.50

1.25" 19.9MM WF KELLNER EYEPIECE

This eyepiece is a 3 element wide field Kellner design with coated optics and has a threaded barrel which accepts standard filters. Fits 1.25" telescope focusers. The optics are new wide field binocular eyepieces that we re-mounted for telescope use. Only have a limited supply so act quickly if you'd like one of these in your collection. Eye relief is 13mm and exit aperture is 17mm. Focal length is 19.9mm. Will give you great views.

L3148 $19.50

BOYER-PARIS 20MM FL LENS ASSY

Made in Paris, France to fit many of the 16mm projectors. These are in unused condition. 20mm focal length, f/1.5. Multi-element assembly. Coated optics. Will make a great 20mm eyepiece if you want to get a bit creative with the barrel. Nice, sharp, color corrected images from edge to edge when used with one of our objectives. Barrel is 55mm long and 25mm diameter at the top, 30mm diameter at the bottom.

L3185 $7.50

1.25" 21.6MM ORTHOSCOPIC EYEPIECE

Another of our limited edition orthoscopic eyepieces. This 4 element, 21.6mm focal length orthoscopic eyepiece consists of a cemented triplet lens assembly and a single element lens. Field of view appears to be about 50 degrees. Coated optics. Threaded for filters. Clear exit aperture is 19mm. Eye relief is 30mm. This is a one time production run and a limited supply.

L3191 $24.50

2" BARLOW LENS, 2X

You've been asking for this for some time. Here's a new 2X Barlow lens for 2" focusers. Coated achromatic lens assembly with 2" barrel threaded for filters. Get twice the use out of your 2" eyepieces.
L3203 $44.50

FILTERS FOR 1-1/4" EYEPIECES (RED)

Glass filters with standard thread to fit your 1-1/4" eyepieces. Unused
M1500 $7.50

FILTERS FOR 1-1/4" EYEPIECES (BLUE)

M1501 $7.50

FILTERS FOR 1-1/4" EYEPIECES (YELLOW)

M1502 $7.50

FILTERS FOR 1-1/4" EYEPIECES (MOON)

M1503 $7.50

FILTERS FOR 1-1/4 EYEPIECES (SET OF 4)
Glass filters with standard thread to fit your 1-1/4" eyepieces. Unused
M1504 $25.00

1-1/4" UNIVERSAL CAMERA ADAPTER

Fits standard 1-1/4" telescope eyepiece holders. Composed of a T-adapter for prime focus photography and an extension tube for eyepiece projection photography. A setscrew in the extension tube holds the eyepiece in place. Black anodized aluminum. Unused.
M1513 $14.50

PLASTIC EYEPIECE CONTAINER
Protect your 1-1/4" eyepieces. Container ID is 1-7/16" and 2" deep with cover that is 1-1/4" deep. Unused.
M1528 $0.75

MOON FILTER FOR 1-1/4" NON STD THREAD EYEPIECES
This fits our Professional Kellner eyepiece series as well as our inexpensive Huygenian 1-1/4" telescope eyepieces. Unused.
M2053 $6.50

MOON FILTER FOR .967" EYEPIECES

This fits our inexpensive 0.967" Japanese standard telescope eyepieces. Unused.
M2061 $3.50

MEADE 2" REFLECTOR FOCUSER

These were made for the Meade DS series telescopes. Made of a heavy duty plastic material. Nice rack and pinion movement. Base is curved to fit a 5" tube but can easily be sanded or filed down to fit other size tubes. Includes screw-on adapters so it can be used with 2" and .967" eyepieces. This is the same as our M2077 except that we have no more 1-1/4" adapters. M2077 is sold out. Unused.
M2087 $16.95

THREADED BARREL FOR 1-1/4" EYEPIECES

If you are building your own eyepieces and want a professional barrel threaded for filters, this is what you need. Black anodized aluminum, threaded for standard telescope filters. Fits 1-1/4" focusers. 1-1/8" long and threaded all the way thru. Unused.
M2104 $4.00

2" X 2.5" THREADED EYEPIECE BARREL

If you're building your own 2" eyepieces, this black anodized aluminum barrel is exactly what you need. These are brand new and are 2" diameter x 2.5" long and threaded all the way through. Accepts your 48mm filters.
M3022 $8.00

2" X 2" THREADED EYEPIECE BARREL

If you're building your own 2" eyepieces, this black anodized aluminum barrel is exactly what you need. These are brand new and are 2" diameter x 2" long and threaded all the way through. Accepts your 48mm filters.
M3023 $7.50

Fiber Optics

FIBER OPTIC FACE PLATE, 35MM DIA X 6MM THICK

This is an optical device bundling lots of glass optical fibers. It transfers the light and image with high efficiency and low distortion. They are used in CRT's, camera tubes, CCD coupling, and image intensifiers. They replace optical lenses in a number of applications and there is no focal point to consider. These are great to experiment with as you can see the image of newsprint follow the curve of the face plate. If you have light reflected from the flat side, you'll see a bulls eye that varies in diameter as you change plate's orientation. These are polished, in great condition, and have serial numbers on the edge. Flat on one side and concave on the other. 35mm diameter by 6mm thick.
L3172 $5.00

FIBER OPTIC FACE PLATE, 35MM DIA X 11MM THICK

This is an optical device bundling lots of glass optical fibers. It transfers the light and image with high efficiency and low distortion. They are used in CRT's, camera tubes, CCD coupling, and image intensifiers. They replace optical lenses in a number of applications and there is no focal point to consider. These are great to experiment with as you can see the image of newsprint follow the curve of the face plate. If you have light reflected from the flat side, you'll see a bulls eye that varies in diameter as you change plate's orientation. These are polished, in great condition, and have serial numbers on the edge. Flat on one side and concave on the other. 35mm diameter by 11mm thick.
L3173 $7.00

FIBER OPTIC LIGHT GUIDE W/4 BRANCHES 72" LONG

Flexible fiber optic light guide transforms your single light source into 4 (or merge 4 different sources into one). Each branch is 72" long. Input end diameter is 0.56" and output ends are 0.82" x 0.32" rectangle. Clearly designed for a specific application. Clear input bundle diameter is 3/8" and clear end bundle dimensions are rectangle 3/4" x 3/32". Unused.

M1585 $59.00

B&L FLEXIBLE FIBER OPTIC LIGHT GUIDE, 6" LONG

Made by Bausch & Lomb, Catalog #32-13-06. Nominal fiber diameter is 1/8". Ends are .21" diameter. Non-coherent light guide is precision-drawn 20-micron fibers of 1.62 index glass, each coated with a protective and internally reflective clad of 1.52 index; then bundled and sheathed with aluminum strip-wound cable. Incident light gathering efficiency is 60% at the receiving end. Light transmitting efficiency is 5% absorbance per foot. Range from visible to near infra red. Working temperature range -40 degrees F to +160 degrees F. In original containers.

M2021 $8.00

SMALL FIBER OPTIC SPRAY

Has about 75 different fiber optic strands, the longest is 8 inches. Each strand has a polished end which gives a point of light when the bottom is illuminated with a flashlight or other light source. Great for experimenting with and demonstrating fiber optic properties.

M2044 $1.50

B&L FLEXIBLE FIBER OPTIC LIGHT GUIDE, 6" LONG

Made by Bausch & Lomb, Catalog #32-14-06. Nominal fiber diameter is 3/16". Ends are .21" diameter. Aluminum sheathing outside diameter is .381". Non-coherent light guide is precision-drawn 20-micron fibers of 1.62 index glass, each coated with a protective and internally reflective clad of 1.52 index, then bundled and sheathed with aluminum strip-wound cable. Incident light gathering efficiency is 60% at the receiving end. Light transmitting efficiency is 5% absorbance per foot. Range from visible to near infra red. Working temperature range is -40 degrees F to +160 degrees F. In original containers.

M2167 $8.00

B&L FLEXIBLE FIBER OPTIC LIGHT GUIDE, 12" LONG

Made by Bausch & Lomb, Catalog #32-14-12. Nominal fiber diameter is 3/16". Ends are .21" diameter. Aluminum sheathing outside diameter is .381". Non-coherent light guide is precision-drawn 20-micron fibers of 1.62 index glass, each coated with a protective and internally reflective clad of 1.52 index, then bundled and sheathed with aluminum strip-wound cable. Incident light gathering efficiency is 60% at the receiving end. Light transmitting efficiency is 5% absorbance per foot. Range from visible to near infra red. Working temperature range is -40 degrees F to +160 degrees F. In original containers.

M2168 $9.50

RUBBERIZED BALL END FIBER OPTIC LIGHT GUIDE, 36" LONG

Extremely flexible fiber optic light guide is 36" long and the diameter of the end is 6mm (3mm light diameter). The ball end is approximately 12mm diameter (3mm light diameter). Quality non-coherent light guide, very flexible and only have a few.

M2169 $20.00

RUBBERIZED BALL END FIBER OPTIC LIGHT GUIDE, 31" LONG

Extremely flexible fiber optic light guide is 31" long and the diameter of the end is 6mm (3mm light diameter). The ball end is approximately 12mm diameter (3mm light diameter). Quality non-coherent light guide, very flexible and only have a few.

M2170 $17.50

B&L FLEXIBLE FIBER OPTIC LIGHT GUIDE, 24" LENGTH

Manufactured by Bausch & Lomb, Catalog #32-01-24. This non-coherent (light transmitting, non image-carrying) light guide contains precision-drawn 20-micron fibers of 1.62 index glass, each coated with a protective and internally reflective clad of 1.52 index; then bundled and Polyvinyl Chloride-sheathed. Nominal fiber diameter is 1/16"; sheathing outside diameter of 1/8"; minimum bend radius of 1/2". Ends are 1/8" diameter. Incident light gathering efficiency is 60% at the receiving end. Light transmitting efficiency is 5% absorbance loss per foot. Transmittance capability ranges from visible to near infra red. Working temperature range -40 degrees F to +160 degrees F. In original container.

M2191 $9.00

B&L FLEXIBLE FIBER OPTIC LIGHT GUIDE, 36" LENGTH

Manufactured by Bausch & Lomb, Catalog #32-01-36. This non-coherent (light transmitting, non image-carrying) light guide contains precision-drawn 20-micron fibers of 1.62 index glass, each coated with a protective and internally reflective clad of 1.52 index; then bundled and Polyvinyl Chloride-sheathed. Nominal fiber diameter is 1/16"; sheathing outside diameter of 1/8"; minimum bend radius of 1/2". Ends are 1/8" diameter. Incident light gathering efficiency is 60% at the receiving end. Light transmitting efficiency is 5% absorbance loss per foot. Transmittance capability ranges from visible to near infra red. Working temperature range -40 degrees F to +160 degrees F. In original container.

M2192 $10.50

B&L FLEXIBLE FIBER OPTIC LIGHT GUIDE, 48" LENGTH

Manufactured by Bausch & Lomb, Catalog #32-01-48. This non-coherent (light transmitting, non image-carrying) light guide contains precision-drawn 20-micron fibers of 1.62 index glass, each coated with a protective and internally reflective clad of 1.52 index; then bundled and Polyvinyl Chloride-sheathed. Nominal fiber diameter is 1/16"; sheathing outside diameter of 1/8"; minimum bend radius of 1/2". Ends are 1/8" diameter. Incident light gathering efficiency is 60% at the receiving end. Light transmitting efficiency is 5% absorbance loss per foot. Transmittance capability ranges from visible to near infra red. Working temperature range -40 degrees F to +160 degrees F. In original container.

M2193 $12.00

B&L FLEXIBLE FIBER OPTIC LIGHT GUIDE, 60" LENGTH

Manufactured by Bausch & Lomb, Catalog #32-02-60. This non-coherent (light transmitting, non image-carrying) light guide contains precision-drawn 20-micron fibers of 1.62 index glass, each coated with a protective and internally reflective clad of 1.52 index; then bundled and Polyvinyl Chloride-sheathed. Nominal fiber diameter is 3/32"; sheathing outside diameter of 5/32"; minimum bend radius of 3/4". Ends are 4mm in diameter. Incident light gathering efficiency is 60% at the receiving end. Light transmitting efficiency is 5% absorbance loss per foot. Transmittance capability ranges from visible to near infra red. Working temperature range -40 degrees F to +160 degrees F. In original container.

M2201 $15.00

FIBER OPTIC SPRAY - 8 1/2" STRANDS

A beautiful fiber optic spray, containing hundreds of hair-thickness same-length glass optic strands with polished ends. Opens up to 12-14" wide x 4 1/2" high. Great for creating special optical effects using a sub-stem light source, motor, colored light filters, or mirror/s. Rigid plastic 8mm thick x 3" long stem, with a 7mm diameter light core.

M2202 $10.00

B&L FLEXIBLE FIBER OPTIC LIGHT GUIDE, 24" LONG

Made by Bausch & Lomb, Catalog #32-13-24. Nominal fiber diameter is 1/8". Ends are .21" diameter. Sheathing Outside Diameter is 0.275". Non-coherent light guide is precision-drawn 20-micron fibers of 1.62 index glass, each coated with a protective and internally reflective clad of 1.52 index; then bundled and sheathed with aluminum strip-wound cable. Incident light gathering efficiency is 60% at the receiving end. Light transmitting efficiency is 5% absorbance per foot. Range from visible to near infra red. Working temperature range -40 degrees F to +160 degrees F. 24 inches long. In original containers.

M2227 $11.00

MERET OPTICAL 4 CH VIDEO AND AUDIO FIBER OPTIC XMTR

Made by Meret Optical Communications Model CRM1005UL. Takes standard 115VAC, 60Hz. Includes power supply and 4 channel video to fiber optic amplifier/transmitter removable module and 4 channel audio to fiber optic amplifier/transmitter removable module. Excellent condition.

R3040 $35.00

DYONICS OPTO-FIBER-METRIC RELAY SWITCH

Manufactured by Dyonics of Woburn MA, these switching units are in like new condition. This is a complete photo-electric switching unit including light source. Attach two fiber optic light guides and point the ends toward one another. When the beam of light is broken, the switch is activated. The unit measures 4 1/8" wide x 4 1/4" high x 6 7/8" deep, with light green texture-enameled aluminum case. It features front panel power switch & indicator and sensitivity adjuster, and dual rear panel setting switches (O,C,N and N,D), screw terminals for COM, NO, and NC, delay screw adjuster, and hard-wired 3-prong AC cord. Weight is approx. 4 lbs. Works of standard 115VAC, 60Hz.

R3063 $25.00

Filters

4" DIAMETER RED METROGON FILTER - (UNMOUNTED)
Made to fit the popular 6" focal length Metrogon Lens. Has a center spot designed to spread the illumination evenly. Unused. Available mounted or unmounted.
M1165 $4.00

4" DIA. YELLOW METROGON FILTER - (UNMOUNTED)
Made to fit the popular 6" focal length Metrogon Lens. Has a center spot designed to spread the illumination evenly. Available mounted or unmounted.
M1168 $4.00

2-1/2" YELLOW FILTER
Light yellow Type III made by Bell & Howell for the U.S. Army. In size 8 mount.
M1179 $3.00

GREEN MILITARY RECTANGULAR FILTER
Made to be used with the M1923 military aiming device. Green filter, 35mm long by 23.8mm wide, by 2.2mm thick. One end has rounded corners.
M1417 $0.50 or 50 for $10.00

66MM YELLOW B&H FILTER
Mounted yellow Aero 2 filter manufactured by Bell & Howell. Clear filter diameter is 66.4mm. Mount is 76mm diameter with 71.5mm diameter outside thread protruding. Unused.
M1422 $2.50

OPTICAL INTERFERENCE FILTERS, $5
Interference filters will pass only a specific band of light wavelength. They are produced using a number of layers of thin film of known refractive indicies. Differences between the layers produce destructive and constructive interferences resulting in high transmittance of some wavelengths and high reflectance of others. They generally cost from 50 to 100 each (these originally cost 94 each). They are 20.5mm diameter by 3mm thick. However, we don't know what wavelength band transmits thru them. No visible light gets through, so it must be IR or UV. Unused.
M1455 $5.00

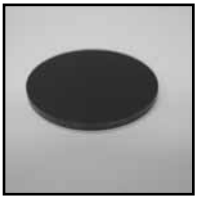
AMBER GLASS FILTER
30mm diameter by 2.3mm thick. Comes in individual pouch. Unused.
M1464 $0.75

MTD 30MM THREADED YELLOW FILTER

Glass yellow filter with 30mm clear diameter. Mounting is 38mm diameter with 36mm diameter threads. Has threaded retaining ring to hold the filter in place.

M1603 $1.75

50MM DIA SHADE 5 DARK FILTER



These were made to be cut for eyeglasses for some filter application. Dark optical glass polished on both sides. Master box indicates "shade 5". 50mm diameter by 3mm thick. Might make a nice moon filter for 2" eyepieces.

M2067 $0.50 or 10 for $4.00

RECTANGULAR GOLD CTD FILTER/BEAMSPLITTER

4.25" X 2" X 0.06" thick. Master box is marked "GOLD/CR". Not sure what the original application was but it acts almost like a beamsplitter. One side reflects about 75% while transmitting about 25%. The other side transmits about the same but with very little reflection.. Looks like a fun piece to experiment with.One of our customers was able to do an analysis of its composition. Here's his findings: "180 Angstroms of gold deposited over 30 angstroms of chromium on glass containing tin oxide"

M2068 $0.75 or 10 for $5.50

YELLOW OPTICAL GLASS PLATE 4-1/2" X 2-3/16"

Schott yellow optical glass plate. Ground but not polished. 4-1/2" long by 2-3/16" wide by 3/16" thick. Unused.

M2079 $0.75 or 10 for $5.00

RECTANGULAR INTERFERENCE FILTER/BEAMSPLITTER

2" X 7/8" X 0.05" thick. Not sure what the original application was but it acts like a beamsplitter reflecting about 75% and transmitting about 25%. Look thru it and you'll see a blue tone, look at a reflection and it appears to have a gold coating. Clearly will be a fun piece to experiment with.

M2085 $0.50 or 10 for $3.50

N-3 NEUTRAL DENSITY FILTER, 63MM DIA

Glass neutral density filter, 63mm diameter by 6.3mm thick. Box is marked N-3 density.
M2108 $1.25 or 10 for $10.00

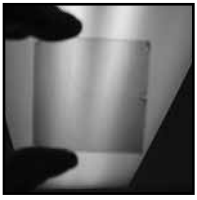
MTD GLASS FILTER SET; RED, ND & AMBER

Filters are 30mm diameter, and mounting is 39mm dia. Looks like they were made to snap in place as there is a ring on the back side that sticks out 4mm and is 33mm diameter. Too big to be used as is in your 1-1/4" telescope eyepieces but maybe you can get creative with them. The Neutral Density one is quite dark and may make a decent moon filter. We believe these were made for some military application.
M2140 $5.00

50MM X 50MM MIRRORED INTERFERENCE FILTER

This filter is mirrored on both sides and if you hold it very close to a lamp, it shows a deep red color. If you hold it up to a ceiling fluorescent light, it looks like a regular mirror. 50mm long x 50mm wide x 1mm thick.
M2145 $2.50

50MM X 50MM GREEN INTERFERENCE FILTER



This filter is reflective on both sides and shows a deep green color when held up to a light. It loses it's mirrored effect when looking at a light source. 50mm long x 50mm wide x 1mm thick. We have a limited supply of these.
M2147 $2.50

55MM X 50MM ORANGE INTERFERENCE FILTER

This filter is reflective on both sides and shows a deep orange color when held up to a light. It loses it's mirrored effect when looking at a light source. 55mm long x 50mm wide x 1mm thick. Haven't got many of these.
M3019 $2.50

KODACHROME SERIES VI HAZE FILTER
Unused haze filter made by Eastman Kodak is 40mm outside diameter and clear lens diameter is 37mm. In original package.
M3024 $3.00

GREEN FILTER
Optical glass in threaded mount, 37mm diameter. Unused.
M5002 $3.00 or 10 for $20.00

50MM YELLOW FILTER
Made by Bell & Howell for the 75mmf/2.3 Baltar lens. Eq K1 (yellow). Outside thread on ring is 51mm on one side, and inside thread is 50mm on the other side.
M9007 $2.00

AERIAL CAMERA FILTERS-5-1/2" DIA. (RED)
Mounted filters designed to snap onto the large aerial camera lenses. These were made with the high quality optical glass that is difficult to find these days. 5-1/2" clear filter diameter. Mounting diameter is 6-7/16"
M9010 $10.00

AERIAL CAMERA FILTERS-4" DIA. (RED)
Same as #M9010 above except clear filter diameter is 4", and mounting diameter is 5".
M9012 $8.00

AERIAL CAMERA FILTERS-4" DIA. (YELLOW)
Same as #M9010 above except clear filter diameter is 4", and mounting diameter is 5".
M9013 $8.00

Flats

25MM OPTICAL FLAT, 1/20 WAVE, DUAL SURFACE

Unused, Fused Silica Optical Glass flats with 1/20 wave accuracy on both sides! Either face can be used for test applications. 25mm diameter by 21mm thick.
L1891 $45.00

50.5MM DIA OPTICAL FLAT, 1/4 WAVE, DUAL SURFACE

Brand new, current production , optical glass flats with 1/4 wave accuracy on both sides! Either face can be used for test applications. 50.5mm diameter by 15mm thick.

L3163D $48.50

Glass Blanks

1-1/4" FLINT BLANK

If you are trying your hand at making small achromats or negative lenses with high dispersion glass, here is the heavy flint blank you need. 1-1/4" diameter by 3/4" thick. 617-366 is impressed on the glass which implies an index of 1.617 and an abbe v number of 36.6. Same or similar to Schott's F4 which is also 617-366.

L1834 $1.00 or 8 for $5.04

70MM DIA SCHOTT CROWN GLASS MOULDED BLANK

Quality crown glass made by Schott. These are unused blanks designed to be ground & polished into eyeglasses anywhere from + or - 6 diopters. 70mm diameter by 4mm thick. Meniscus shape. Great for experimenting with your grind and polish expertise, or if you are in the ophthalmology business, you need these and we've got a good supply.

L2130 $0.50 or 10 for $4.00

THICK 4" DIA LENS/MIRROR BLANK

Optical glass but has a few bubbles, so was probably meant to be used for condenser lenses, but should also be excellent to grind and polish for a mirror. These have a convex side and a flat side. 4 inches diameter by 2 inches thick at the center. You can see thru it and it will make a nice paper weight, or attach your favorite photo, drawing, comic, etc on the bottom for a magnified view. Almost 2 pounds of glass.

L2133P $6.50

65MM DIA SCHOTT GREEN WELD 2.0 GLASS MOULDED BLANK

Quality glass made by Schott, green weld 2.0. These are unused blanks designed to be ground & polished into eyeglasses for welders anywhere from + or - 6 diopters. 65mm diameter by 4mm thick. Meniscus shape. Great for experimenting with your grind and polish expertise, or if you are in the ophthalmology business, you need these and we've got a good supply.

L2154 $0.50 or 10 for $4.00

Instruments

STUDENT SPECTROMETER

Unused and a real beauty. Heavy duty high quality rugged metal construction throughout. Consists of a telescope with eyepiece and 21mm clear diameter achromatic focusing objective lens, and a collimator with removable adjustable slit and achromatic focusing 21mm clear diameter objective. The 7-1/2"diameter graduated circle has lines for each degree and is numbered at every 10 degrees. Telescope and collimator are each 8" long. Center table is designed to hold either a prism or grating. Vernier control and scale for precision measurement. Telescope and table rotate about a vertical axis. Spectrometers are used to measure and/or observe spectrum, absorption bands, angles of refraction and reflection, etc. The slit and collimator produce a parallel beam of light which then falls on your prism or grating. The resulting spectrum is then observed through the telescope.

I1430D $125.00

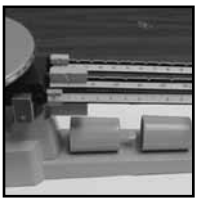
SURPLUSHED℠

UNUSED GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROMETER

An absolute beauty!! Made by Perkin Elmer for the military to measure concentrations of wear metals in aircraft lubricating oil. It is a complete system with built in microprocessor, display and printer. Considered portable, it consists of two units in separate cases with interconnecting cables and a third very strong shipping case that holds everything. The analyzer can simultaneously measure (in parts per million) the concentrations of nine metals. The instrument is easy to operate. Simply introduce a small sample of your oil, water or fluid you want to analyze into the graphite tube in the furnace using the supplied injector probe and press the start button. After the automatic analysis cycle (about 1.5 minutes) is completed, the unit prints out onto paper tape the metal concentrations.The optics in this thing are impressive. Original cost was $70,156.36 each!! Our price is less than 2% of what our government originally paid for them. Looks like they bought more than they needed. Sorry, but we are not allowed to ship these outside of the United States

I1434 $1,250.00

TRIPLE BEAM BALANCE



A single pan, low form balance that has three beams with centre indicating sliding weights giving total weighing capacity of 610g. Supplementary weights are included to extend the capacity to 2610g. Spring loaded zero adjust compensator and magnetic damping are provided. Stainless steel pan is of 150mm diameter. Beams: 0-500g x 100g; 0-100g x 10g; and 0-10g x 0.1g. Unused.

I1435D $85.00

Integrated Circuits

74LS00 INTEGRATED CIRCUIT

14 pin Quad 2-input NAND gate. The 74LS series of bipolar digital integrated circuits have been the workhorse of digital circuits for more than two decades. Unused.

R1449 $0.17 or 10 for $1.50

74LS08 INTEGRATED CIRCUIT

R1450 $0.17 or 10 for $1.50

74LS27 INTEGRATED CIRCUIT

R1451 $0.19 or 10 for $1.70

74LS38 INTEGRATED CIRCUIT

R1452 $0.19 or 10 for $1.70

74LS74 INTEGRATED CIRCUIT

R1453 $0.19 or 10 for $1.70

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14 PIN LOW PROFILE SOCKET

R1454 $0.06 or 10 for $0.50

Lenses

51MM DIA. PCX LENS WITH TRAPEZOID GRID

Plano convex lens, 51mm diameter by 175mm focal length. Has trapezoid grid across most of the lens. Unusual! Like new.
L1542 $4.50

B&H SOUND FILMO LENS

Strong negative objective lens assembly (looks like 2 elements air spaced). In original Bell & Howell box marked: 1" obj. with 40mm opening 71 sound. Probably made to go with one of the B&H sound projectors.
L1659 $5.00

5-3/4" DIA 800MM FL PCX W/CTR HOLE

Unused beauty. Made for some kind of government telescope. Coated plano convex lens, 5-3/4" diameter by 800mm focal length with a 1-3/4" center hole. 1/4" thick. Part of an objective assembly, but no clue what the completed scope looked like. Says "Lens Objective" on the package.
L1758 $18.00

5-3/5" DIA. NEGATIVE LENS W/1/2" CTR HOLE

Negative meniscus lens . 5-3/8" diameter by 3/4" edge thickness. Focal length of -800mm.

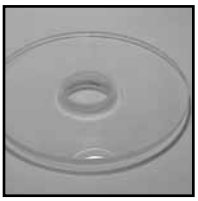
L1823 $15.00

MTD ERECTING LENS ASSEMBLY

Multi element coated optics erecting lens assembly. Quality optics, taken from military scopes. Barrel is 40mm long by 17.7mm diameter (except back 10mm is 21mm diameter).

L1881 $8.00

5-7/16" DIA DCX, 525MM FL W/CTR HOLE



Unused double convex lens, 5-7/16" diameter by 525mm focal length with 1-1/4" center hole.

L1898 $12.00

5-7/16" DIA NEG MENISCUS, -900MM FL W/CTR HOLE

Unused negative meniscus lens, 5-7/16" diameter by –900mm focal length with 2-1/2" center hole.

L1899 $12.00

100MM DIA DCX LENS, 200MM FL

Double convex lens, 100mm diameter by 200mm focal length. Unused and boxed.

L2006D $3.50 or 5 for $15.00

17MM F/1.4 PROJECTION LENS

Kalart Automar projection lens. 17mm focal length, f/1.4. 3 elements, coated. 1-1/8" long. Threaded barrel is 7/8" diameter. Front flange is 1-1/4" diameter. Unused.

L2088 $6.00

TELEX SUPER SESTAR 2" F/1.2 PROJECTION LENS

Coated, 5 element projection lens. Clear front element is 44mm diameter. Rear element clear diameter is 18.75mm diameter. Assembly is 76.3mm long by 54mm diameter. Unused beauty.

L2089 $9.00

66MM CLEAR DIAMETER CATADIOPTIC NIGHT VISION LENS

This was made to be used with night vision image intensifiers and has a very short focal length. If you are experimenting with image intensifiers or want to upgrade your device, this is for you.

L2124 $49.00

145MM CLEAR DIAMETER CATADIOPTIC NIGHT VISION LENS

This is a magnificent optical piece. Originally made for a high gain, high resolution mil-spec military night vision observation system (AN/TVS 2). Clear lens diameter is 145mm. Made for a 25mm format image intersifier. Rear opening is 25mm with the focal point just a few mm from the rear exit window. This would be great for long range applications. Excellent condition. One of our customers recently put a gen 2 image intensifier tube at the back of the assembly and slid a 25mm eyepiece behind that, put it in a 6" PVC pipe, and states that it makes a great night vision system for star views. Our low price was $175.00. Now closing them out.

L2125 $125.00

SMALLER EYE INSPECTION LENS/MIRROR ASSY

Similar to our #L2118, but smaller and easier to carry. Mounted mirror and lens assembly probably made for use in a copy system. Barrel is 50mm diameter by 30mm long. Lens clear diameter is 46mm. Quality multi-element coated lens and front surface mirror. Perfect for inspecting your own eye. Hold about 3" from your eye and it will be in perfect focus. Ideal to inspect for irritant particles or for contact lens wearers

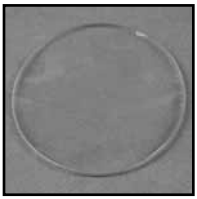
L2194 $5.00

ELECTRIC EYE ASPHERIC LENS?

This is a double convex lens with one side very sharply curved. 1-3/4" diameter. 50mm focal length from the slightly curved side. We've been told that this was made for those electric eyes that send a beam of light across a door and sends an alarm or beep when someone crosses thru the beam.

L3033 $1.50

5" DIAMETER DOUBLE CONVEX LENS 13" FL



Beautiful lens in mint condition. Diameter is 5" with a 13" focal length. Looks like plate glass.

L3051 $6.50

KALART 2" F/1.6 PROJECTION LENS

Kalart Automar projection lens. 50mm focal length, f/1.6. Coated optics. 2-5/8" long. Threaded barrel is 1-1/8" diameter. Front diameter is 1-1/2". With a little creativity, this could make a nice 50mm eyepiece. Gives sharp wide field images when used with a copy lens or one of our objectives. Unused with front and rear lens caps.

L3057 $7.00

HUGE RECTANGULAR PCX LENS, 30" FL

This is a beauty. 14-1/4" long by 8-3/4" wide by 2-1/4" thick at the apex of the convex side. Focal length is 30 inches. Optical glass. Weighs 11 pounds. Excellent condition. Only have a few.
L3078 $125.00

BOLSEY-ELGEET CINEMATOR WIDE ANGLE LENS

Wide angle lens made by Bolsey-Elgeet of Rochester New York is 32mm in length with a front element clear diameter of 18mm and a rear element clear diameter of 10mm. Coated optics. The front outside diameter is 30mm wide and the rear outside diameter is 12mm and is threaded. Has a threaded series 4.5 filter ring and lens cover. This may have been designed as an adapter of some sort as there are no f numbers and there is no image focal point. If you look thru it one way, you get a nice wide field view, look thru the other way and you have a telephoto view. (much smaller field of view). Front lens cover included.
L3113 $6.00

KOWA COPY LENS 5.4" FL (137MM), F/4.5

Beautifully coated copy lens made by in Japan by Kowa for use in fax machines. Multi-element. The Kowa part number is 76133. The assembly is 55mm diameter and 50mm long with a clear lens diameter of 37mm. The focal length is 137mm.
L3132 $5.00

ASPHERIC CONDENSER LENS, 1.75" DIA X 1" FL

Glass aspheric condenser lens, 1-3/4" diameter by 1 inch back focal length. Aspherics offer superior aberration correction for light concentration that would normally require several spherical elements.
L3136 $5.50

KOWA COPY LENS 112MM FOCAL LENGTH

Beautifully coated copy lens made in Japan by Kowa for use in fax machines. The assembly is 48mm diameter and 45mm long with a clear multi-element lens diameter of 35mm. The focal length is 112mm. Plastic lens covers included.

L3138 $4.00

ILEX 1.5X OPTICAL LENS ASSY

Beautiful lens assembly with coated optics. Made by Ilex Optical Co for Compugraphic. Compugraphic part #56641. We think these were designed to be used with optical comparators or photo typesetting machines. If you've got one then this is a great bargain. If not, take it apart for the optics. Has a 3 mounting hole flange and is 3.5" long with a 1" diameter barrel.

L3139 $2.00

ILEX 5.25X OPTICAL LENS ASSY

Beautiful lens assembly with coated optics. Made by Ilex Optical Co for Compugraphic. We think these were designed to be used with optical comparators or photo typesetting machines. If you've got one then this is a great bargain. If not, take it apart for the optics. Has a 3 mounting hole flange and is 1.75" long with a 1" diameter barrel. Unused

L3160 $2.50

FLOFILM PROJECTION LENS ASSEMBLY, 40MM F/3.5

Multi-element projection lens with coated optics made by Wollensak. Front element clear diameter is 12mm and rear element clear diameter is 10mm. Assembly is 20mm long x 25mm diameter with threading. The focal length is 40mm.

L3188 $4.50

23X LENS ASSEMBLY - MICROFICHE PROJECTION?

We think these were made for microfiche projection, but not certain. Beautiful brand new lens assembly in the original packaging! Barrel is 34mm long x 28mm OD with groove about 20mm from the front. Clearly made to go into some instrument and be held in place using the groove. Front element is 14mm diameter and back element is 10mm. Multi-element, with coated optics. Marked "Mag. 23X" Gloss black-enameled aluminum barrel. Makes a nice color corrected magnifier, but has a narrow field of view.

L3204 $4.00

Magnifiers

DOUBLET 10X FOLDING MAGNIFIER

We had these before and sold out. Pocket folding magnifier. Double lens to give flat field and minimum chromatic aberration. Lens diameter is 16mm. Plastic mount. Only 35mm by 25mm by 15mm thick when folded. Magnification 10X. Unused.

L1842D $1.25 or 5 for $5.00

JEWELER'S/WATCHMAKER'S EYELOUPE

Glass lens mounted in light weight black plastic eye cup cell. 4X magnification with working distance of 2". Lens diameter is 1". Watchmakers and jewelers hold the cell in their eye socket by squinting slightly. Unused.

L1859D $1.25

4" DIAMETER MAGNIFIER

Glass magnifier, 4" diameter, mounted in nickel plated frame and 4" long handle. Provides wide field viewing with crisp, sharp images at all points. The lens is recessed in its frame to prevent chips and scratches. Unused.

L1860D $4.50

7X POCKET COMPARATOR

Focusing magnifier accepts standard 27mm reticles. Three element achromatic glass lens system. Eyelens clear lens diameter is 21mm.Has acrylic base to allow light on the object. Includes linear scale, 20mm x 0.1mm. Other reticles available. Has hundreds of applications including linear measurements, angles, hole diameters, thread sizes, etc. Unused with case.

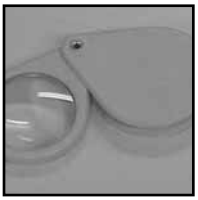
L1873D $28.50

FOLDING POUCH MAGNIFIER

Pocket type with 40mm diameter glass lens mounted in a leather case that also serves as a handle. 3X magnification. Unused.

L1874D $1.25

4X FOLDING POCKET MAGNIFIER



Pocket type with 27mm clear diameter lens mounted in a plastic case that also serves as a handle. 4X magnification. Unused.

L1895D $0.75

75MM DIAMETER MAGNIFIER

Glass magnifier, 75mm diameter, mounted in nickel plated frame and 3-1/2" long handle. Provides wide field viewing with crisp, sharp images at all points. The lens is recessed in its frame to prevent chips and scratches. Unused.

L2044D $3.25

50MM DIAMETER MAGNIFIER

Glass magnifier, 50mm diameter, mounted in nickel plated frame and 2-5/8" long handle. Provides wide field viewing with crisp, sharp images at all points. The lens is recessed in its frame to prevent chips and scratches. Unused.

L2045D $2.50

10X COMPOUND LENS MAGNIFIER

Two element glass lens in black finish metal mount gives flat field and 10x magnification. Clear lens diameter is 25mm. Field of view is 31mm and working distance is 25mm. Length is 122mm. High power and easy to use hand held design. Excellent for critical viewing applications including the inspection of optical components. Unused.

L2101D $8.50

LINEN TESTER MAGNIFIER

Collapsible, single element precision glass DCX lens mounted in silver grey finished metal mount. 6X magnification with 25mm x 25mm opening and mm lines etched on the inner faces of the viewer's base. Unused

L2123D $8.00

QUALITY FOLDING MAGNIFIER

Thick lens system in metal mount. Single special thick lens precision made to give good flat field and minimum chromatic aberration. Clear lens diameter is 17mm. Glass thick lens in metal cell with retaining rings Gives 10X magnification. Folded, only 30mm long by 20mm wide. Unused, with case.

L2173D $6.75

5X MAGNIFIER, 4 ELEMENT ACHROMATIC

Here's a great magnifier. 5X power. 4 glass elements, new coated optics. Clear lens diameter is 35mm. Metal Barrel is 50mm diameter by 35mm long. Sharp color corrected images from edge to edge. New.

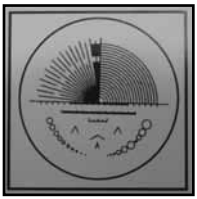
L3107 $35.00

SURPLUSHED℠

B&L 4X INSPECTION EYE LOUPE

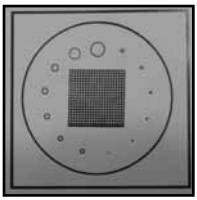
Considered the standard in the industry for years, the Bausch & Lomb eye loupe has a precision ground and polished optical crown glass lens. The lens surfaces are finished to optic standards with no waves or surface defects to distort vision. Light weight plastic cell with black interior rests comfortable in your eye socket. Lens diameter is 1", and the loupe yields a nice clear, distortion-free image. 4X magnification with working distance of 2.5". Used by watchmakers, jewelers, component manufacturers, tool makers, etc. B&L Model 814173. Unused in the original B&L box.
L3161 $4.25

27MM ANGLE RETICLE FOR POCKET COMPARATOR



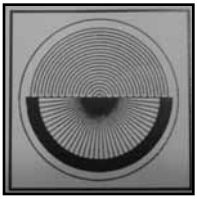
High quality 27mm diameter glass reticle with great stability. Patterns are made with low reflection hard chrome deposition which imparts high contrast for easy readability. Printing is on the side of the reticle which makes contact with the object, thus minimizing the error due to parallax.This one has angle scales 0 degrees to 80 degrees in 5 degree divisions and 80 to 90 degrees in 1 degree divisions. Radius scale 0.1 to 1mm in 0.1mm and 1-10mm in 0.5mm radii. Angle scale 29 degrees, 55 degrees, 60 degrees, and 118 degrees. Ten circles on left 0.1 to 1.0 in 0. 1mm divisions and ten circles on right from 0.005" to 1/64" dia. Three linear scales: 1) 10-0-10mm with 0 to 1mm in 0.05 divisions, 1mm to 5mm in 0.1 divisions, 5mm to 10mm in 0.5mm divisions 2) 0 to 0.5" in 0.005" divisions and 3) 0 to 1/8" in 1/64" divisions. Fits our L1873D 7X pocket Comparator. Unused.
M1538D $12.00

27MM GRAPH RETICLE FOR POCKET COMPARATOR



High quality 27mm diameter glass reticle with great stability. Patterns are made with low reflection hard chrome deposition which imparts high contrast for easy readability. Printing is on the side of the reticle which makes contact with the object, thus minimizing the error due to parallax.Graph of 10mm x 10mm divided into 0.5mm squares. Ten circles from 0.1mm to 1mm in 0.1mm increments and three circles of 1.5mm, 2mm and 2.5mm dia. Horizontal scale 10mm in 0.1mm divisions. Fits our L1873D 7X pocket Comparator. Unused.
M1539D $12.00

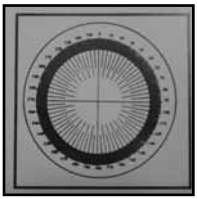
27MM PROTRACTOR RETICLE FOR POCKET COMPARATOR



High quality 27mm diameter glass reticle with great stability. Patterns are made with low reflection hard chrome deposition which imparts high contrast for easy readability. Printing is on the side of the reticle which makes contact with the object, thus minimizing the error due to parallax. Protractor scale 0 degrees to 180 degrees numbered every 10 degrees., divided each degree. Radius scales 0 to 10mm in 0.5mm divisions. Fits our L1873D 7X pocket Comparator. Unused.

M1540D $12.00

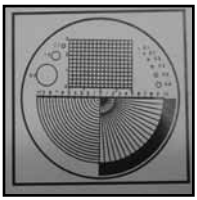
27MM 360 DEGREE PROTRACTOR RETICLE FOR POCKET COMPARATOR



High quality 27mm diameter glass reticle with great stability. Patterns are made with low reflection hard chrome deposition which imparts high contrast for easy readability. Printing is on the side of the reticle which makes contact with the object, thus minimizing the error due to parallax. Protractor scale 0 degrees to 360 degrees numbered every 10 degrees., divided each degree. Fits our L1873D 7X pocket Comparator. Unused.

M1548D $12.00

27MM ANGLE/RADIUS/GRID RETICLE FOR POCKET COMPARATOR



High quality 27mm diameter glass reticle with great stability. Patterns are made with low reflection hard chrome deposition which imparts high contrast for easy readability. Printing is on the side of the reticle which makes contact with the object, thus minimizing the error due to parallax.Angle scales 0 degrees to 90 degrees in 1 degree divisions. Radius scale 0.5 to 10mm radii in increments of 0.5mm. Two circles 1.5mm and 3mm dia. Seven circles from 0 to 0.7mm in steps of 0.1mm. Linear scale 20mm with 0.1mm divisions. 0.3" X 0.4" grid in 0.025". Fits our L1873D 7X pocket Comparator. Unused.

M1599D $12.00

Microscopes

4 X ACHROMATIC MICROSCOPE OBJECTIVE

Standard JIS 36mm type in bright chrome finish. Unused, good quality, great price. 4X/0.10

L1867D $7.50

10X ACHROMATIC MICROSCOPE OBJECTIVE

Standard JIS 36mm type in bright chrome finish. Unused, good quality, great price. 10X/0.25

L1868D $9.00

40X ACHROMATIC MICROSCOPE OBJECTIVE

Standard JIS 36mm type in bright chrome finish. Unused, good quality, great price. 40X/0.65. Spring loaded.

L1869D $15.00

100X ACHROMATIC MICROSCOPE OBJECTIVE

Standard JIS 36mm type in bright chrome finish. Unused, good quality, great price. 100X/1.25 oil. Spring loaded.

L1870D $29.00

20X ACHROMATIC MICROSCOPE OBJECTIVE

Standard JIS 36mm type in bright chrome finish. 20X. Unused, good quality, great price.

L2188D $11.00

MICROSCOPE COVER GLASS - SIZE 24 X 50MM

These are thickness #2 (0.17 - 0.25mm). 1/2 oz package contains about 23 pieces. Two sizes available: 24 X 40mm and 24 X 50mm. The 24 X 50 may be antique as the box is labeled "Made in Occupied Japan". Old, but in original unopened containers.
M1151 $1.00

MICROSCOPE MECHANICAL STAGE

Unused beauty. Precision stage that easily clamps onto your microscope. Horizontal movement 75mm and vertical movement 44mm, each by rack and pinion. Both scales are graduated and read by verniers. Spring finger to hold slides. Heavy duty.
M1527D $28.50

HAND MICROTOME

Design for slicing micro thin sections of a specimen for viewing with your microscope. Sample to be sectioned is supported in styropith or other material and placed in the central well. Turning the milled knob at the base of the microtome moves the piston up and raises the sample. Sections can be cut from the top flat plate stage with a razor. Piston has 19mm overall travel with click stops at 20 micron intervals. Advances 500 microns for each complete turn. Top stage is 63mm diameter and well is 11mm diameter. Unused.
M1571D $24.50

COMPOUND MICROSCOPE PHOTO ADAPTER

Here's what you need to take 35mm photos thru your microscope. Quality aluminum construction. Fits standard 25mm microscope tube tube (including our T1480 Student Microscope). Unit has 2 sections with bayonet thread to easily come apart so you can insert your eyepiece. Other end has standard "T" thread to fit your camera's T-Adapter (available at most camera stores if you don't already have one for your camera). Unused.
M1573D $19.50

MICROSCOPE SUB STAGE ILLUMINATOR

Light alloy vented housing fitted with glass blue filter on one side and clear diffuse filter on the other side. Works off standard 110VAC, or if you are traveling, remove the adapter and the unit will work with standard Continental Europe 220VAC. Has in line on/off switch. Fits standard microscopes (plugs into the mirror socket) such as our Student Microscope #T1480. Unused.

M1574D $19.50

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15 WATT 230VAC T29 PYGMY BC BULB FOR MICROSCOPE ILLUMINATOR

These are replacement bulbs for our M1574D, Microscope Sub Stage Illuminator. Made by Phillips. New.

M2177D $1.25

STEREO MICROSCOPE

Unused stereo microscope with a large working distance and field of view. The whole microscope head can be rotated 360 degrees and can be raised and lowered on its vertical pillar. The interpupillary distance is adjustable between 55mm and 75mm. The microscope is focused by a rack and pinion mechanism. Comes with built in paired 2X achromatic objectives and a matched pair of 10X wide field eyepieces. Gives 20X magnification. Includes 3-1/4" round reversible (white or black) stage Perfect for science experiments, gem analysis, etc.

T1477D $95.00

STUDENT MICROSCOPE

Well constructed microscope with 3 objective turret including 4X, 10X, & 40X objectives. Includes 10X & 15X eyepieces to give up to 600X. Metal stand tilts for easy viewing. Has rack & pinion coarse and fine controls. Dual mirror to reflect light. Has stage fitted with iris diaphragm. Abbe condenser N.A. 1.25, and filter support with rack & pinion movement. These provisions allow the use of optional 100X oil immersion objective for up to 1500X. Unused. Terrific microscope for the price.

T1480D $95.00

ZEISS AERO SKETCHMASTERS

Made by Zeiss for the military to view an aerial photo and compare it to another photo or a map. Uses a similar principle as a camera lucida. The prism picks up the image of the photo and allows you to view thru it to the second photo or map, superimposing one on top of the other. Designed for up to 9" X 9" photos. Included is a box of 20 Zeiss lenses and filters that will fit onto both sides of the prism assembly. Clear diameters of the lenses and filters are 23mm. The 14 lenses have diopters from 0.5 thru 4.5 and the filters are neutral density, 2 each 25%, 50% and 75%. The idea is to make the images the same size by using a combination of the lenses if necessary. Instrument comes in a Zeiss wood case and the lenses/filters come in a separate Zeiss wood case. Unit is in good condition and complete with light, but the outside of the wood cases are only in fair condition, inside is good. Only have a few and we believe these are quite rare.

T1498 $150.00

Mirrors

17MM DIA. FRONT SURFACE MIRROR

Unused front surface aluminized mirrors 17mm diameter by 2.1mm thick.

L1313 $1.00 or 10 for $6.00

6" RECTANGULAR SPHERICAL MIRROR

18" focal length. Ronchi test using 200 line grating shows perfect straight lines. Measures 6-5/8" X 3-11/16" X 1" thick. There is a 7/8" center hole. Mounted. Mounting is 7" X 3-3/4" X 1-3/8" and has 3 screw holes. Unused.

L1353 $45.00

2-1/2" DIA SPHERICAL MIRROR-24" FL

Made for small reflecting telescopes. Have mirrors with two different focal lengths: 18" (L1564) and this one 24". 2-1/2" diameter by 0.40" thick. May have some minor scratches that won't effect the image. Great for kids scope or optical experiments.

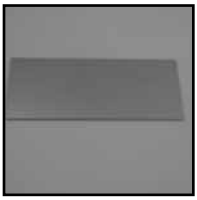
L1565 $6.00

MTD HIGH QUALITY DIAGONAL

This is a beauty. Unused in original box. Not sure what the original design was for as the label states "1x stereo lens. CAT. NO.53-70-30. Clearly made for right angle viewing for some instrument. Openings are 25mm. Top has bayonet type mount. 3 screws hold the diagonal onto the assembly, so it can easily be removed for other applications.

L1768 $15.00

FRONT SURFACE MIRROR, 7-5/8" LONG BY 3" WIDE



Aluminized front surface mirror, 7-5/8" long by 3" wide by 1/8" thick. Plate glass mirror with excellent coating. Beveled edge on the non FS side. Put 2 together to use with binoculars for sky viewing without a neck injury. Unused, mint condition.

L2094 $3.00 or 2 for $5.00

MOUNTED 2.5" ELLIPTICAL F.S. MIRROR

2.5" x 2.1" elliptical mirror. Looks like about 1/8 wave accuracy. 0.35" thick. The last 1/2" around, the thickness tapers off to 0.14" at the very edge. Made to fit a specific military optical device. Mounting is yoke style and has 3 mounting holes. Would make a great telescope diagonal but you'll probably want to remove the mounting (looks like it's cemented to the back). Unused in original military packaging. Original Govt. cost was $298.91.

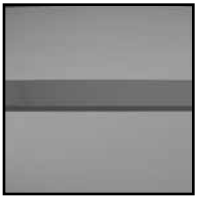
L2137 $13.50

QUALITY 35MM DIA FRONT SURFACE MIRROR

Pyrex front surface mirror, 35mm diameter by 7mm thick, 1/10 wave accuracy.

L2168 $5.00

FRONT SURFACE MIRROR, 7-3/4" LONG BY 1-5/8" WIDE



Aluminized front surface mirror, 7-3/4" long by 1-5/8" wide by 1/4" thick. Plate glass mirror with excellent coating. Unused, mint condition.
L2193 $3.00 or 2 for $5.00

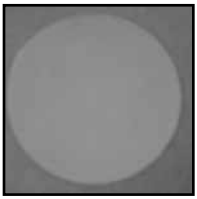
30" DIA PRECISION SEARCHLIGHT MIRROR

Heavy duty stainless steel precision mirror made for a searchlight. Mirror is 32" diameter with the high reflective portion 30" diameter. Focal length is about 8" and has a 2-3/4" center hole. Will make a great solar furnace or use for photography effects. Original cost was around $5000.00
L3006 $195.00

MEADE 2" MIRROR DIAGONAL WITH ADAPTERS

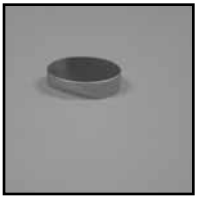
This Meade Model #937 2" diagonal was made for use with their DS series refracting telescopes with 2" focusers. Adapters are included so you can use your 1-1/4" and .965" eyepieces as well as your 2" eyepieces. Gives 90 degree view. take advantage of the great field of view those 2" eyepieces give you without neck damage when you view the night sky. Includes protective cover and an extra metal 2" barrel for use with the 1-1/4" and .965" adapters. Meade selling price was $69.00. Unused in original Meade box.
L3009 $29.95

COLD MIRROR, 4.75" DIAMETER



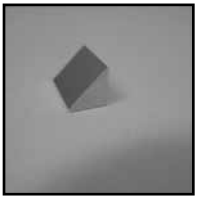
Made by Lightwave Research's Optical Coating Laboratory. Cold mirrors are coated in such a way that visible radiation will be reflected, but infrared is transmitted. Cold mirrors are used in optical systems where there is a concern about heat build-up. These are 4-3/4" diameter, 1.1mm thick, and unused.
L3101 $5.00

PRECISION 1" DIA FRONT SURFACE MIRROR



Quality mirror made by Perkin Elmer. 1" diameter by 1/4" thick. 1/10th wave or better. Aluminized front surface on pyrex.
L3145 $5.00

5/8" X 1/2" FS MIRROR SITS AT 45 DEG ANGLE



Precision ground right angle prism with hypotenuse aluminized. Prism sides are not polished. Quality optic made by Perkin Elmer. These are unused beauties. Since the prism is a right angle type, the front surface mirror side can sit at a precise 45 degree angle.
L3154 $6.50

5" F/1 SPHERICAL MIRROR W/CTR HOLE

Made for the Army by Litton Systems. 5 inch diameter mirror with a 5" focal length and a 2-1/8" center hole. Highly reflective aluminum coating. Made of optical glass which is a bit more than 1/2" thick at the center. Thickness tapers down to 1/8" at the edge. We think these were made for some missile system as we are not allowed to ship them outside of the US. Unused in original packaging.
L3162US $15.00

UNCOATED 2-1/2" F/10 SPHERICAL MIRROR

Plate glass. Polished but not aluminized. 24" focal length. Uncoated mirrors are sometimes used in solar projection scopes.
L3171 $2.50

PRECISION 50MM MIRROR MTD ON STAND

Perkin Elmer #L1165113 "TGS Flat Mirror Assembly". Designed to be used in a Perkin Elmer detector unit with lasers. Mirror is 50mm diameter by 5mm thick and appears to be at least 1/10 wave accuracy. It's mounted on a metal assembly with 4 mounting screws. The top of the mirror sits 100mm from the bottom of the stand. The unit screws into a wood base which is enclosed in a protective box. Installation instructions are included. Unused. Only have a few.

L3184 $65.00

LARGE LASER FRONT SURFACE MIRROR, 14-1/2" LONG

This is a beauty, but we don't know what wavelength the coating is for. Mint condition bluish reflective coating that you can partially see thru. In visible light, it appears to have a very slight curve. Focal length is much too long for us to measure. The mirror is 14-1/2" long by 8-1/4" wide and tapers to 5" wide. Thickness is 5/8". Optical glass. Our understanding is that these originally cost over $1000.00 each. Unused. Only have a few.

L3194 $78.00

RECTANGULAR F.S. MIRROR, 25MM X 20MM

Aluminized front surface mirror measures 25mm long x 20 mm wide x 3mm thick. Appears to be about 1/4 wave accuracy. Unused.

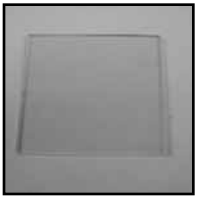
L3206 $1.50

SMALL 2 WAY MIRROR

2 way mirror mounted in a square tube at 45 degrees. Mirror is 5/8" X 7/16". Tube is 1-1/4" long. Look thru the top of the tube and see reflection at 90 degree right angle. Look straight through the mirror for the same view.

L9036 $1.00 or 10 for $7.00

55MM X 50MM HOT MIRROR



Hot mirrors reflect harmful infra red radiation (heat) and transmit visual. 55mm long by 50mm wide by 4mm thick. Like new condition.
M2110 $2.75

Miscellaneous

GRAB BAG OF OPTICAL STUFF

Mix of lenses, mirrors, prisms, and/or strange optical things that we have only small quantities of. No two grab bags are the same. You'll be pleased or your money back, no questions asked.
L1477 $25.00

RECTANGULAR FROSTED GLASS

Glass is 77mm long x 55mm wide and 2mm thick.
L3117 $0.50 or 10 for $3.50

SOFT BINOCULAR CASES (MEDIUM)

Unused manufacturer's closeout. Soft binocular cases: Medium size perfect for compact binoculars. Padded with front pocket, velcro clasp, and belt straps. Blaze Orange. Made to sell for $39. Our price was $12.00
M1407 $6.00

MILITARY WOOD CASE

Quality military wood case with metal hinges and handles. 15-1/4" X 14" X 8-1/2". Inside dimensions: 13-3/4" X 12-1/4" X 6".
M1474 $19.00

AGGLUTINATION TEST TUBE VIEWER

Not a clue what that means, but instructions state: "For blood typing, cross-matching, prothrombin, Kahn, and other agglutination, flocculation and serodiagnostic tests". This is a great light/magnifying mirror assembly with a multitude of uses. 25 watt shaded lamp is on heavy duty stand and has flexible hose 12" long. Adjustable mirror is at base. Provides magnified view of undersurface test tube contents (1-1/2 to 2x depending upon distance of test tube or other object from the magnifying mirror). Unused. Made in 1989. Govt cost was $532.38

M1493 $26.50

PIPETTER

For repetitive accurate dispensing of liquids. Range is 0.2ml to 10ml. Accuracy from 1ml to 10ml is +- 1%. Precision from 1ml to 10ml is +- 0.5%. Amber glass reservoir with 500cc capacity. Autoclavable to 250 degrees. Made by Tri-Continent Scientific, Catalog #232 Omnimatic. Only glass and inert fluorocarbon materials in contact with reagent. Compatible with all reagents, except HF. Unused in original packaging, with instructions.

M1495 $15.00

DELTALITE NIGHT LIGHT WITH OUTLET

Same as our #M1515, but also has an electrical outlet in front so you don't loose an outlet by installing the night light.Great cool-glow illumination draws only 2/100ths of a watt of electricity. Costs about 2 cents a year to run. Useful life is over 100,000 hours. You'll never have to replace another night light bulb. Leave plugged in all the time. Safe for children as there is no glass or bulb that can break or explode. Unit mounts flush to the wall. The DeltaLite Electroluminescent material produces a cool flat lithe. Great for bathrooms, bedrooms, etc., or bring one with you to the hotel when on business or vacation. Unused. UL approved. Price is for a package of 2.

M1516 $6.00 or 3 for $15.00

METAL YOKE

9" high by 4-3/4" Inside width. Center rod is 1-3/4" long by 5/8" diameter. Heavy duty.

M1520 $4.50

BINOCULAR EYEPIECE COVER/FILTER HOLDER

An interesting device that fits over both binocular eyepieces to protect them, and has a compartment to hold two filters 35mm diameter. 4-5/8" by 2-3/16" inside measurement. Made to fit specific military binoculars, so you'll probably have to fasten it on somehow. Our M1525 neck strap fits it nicely. One of our customers advises that these are designed for the Carl Zeiss 7x40 DF or EF NVA (National Volks Army) Checkpoint Charlie binoculars. He has seen them selling for $10+

M1524 $1.75

ADJUSTABLE NECK STRAP

Grey neck strap with button holes on each end. Adjusts from 27" to 44" long. If your camera or binocular has small buttons protruding for this to attach, you are in luck. Unused.

M1525 $0.50

RUBBER OBJECTIVE/EYEPIECE COVER

Unused. 2-1/16" ID with 2" long handle. Brown. Made to fit specific military binoculars (we don't know which ones). Also fits nicely over some of the oversized eyepieces such as the ones in our T1473 French observation binoculars.

M1526 $0.75 or 10 for $5.00

SPHEROMETER

Made of brass. Legs and screw are of stainless steel. Screw pitch 1mm, reading to 0.01mm. Three legged type. Has circular divided plate, vertical scale and micrometer screw. Use this to measure the radius of curvature of a lens or mirror. Unused.

M1535D $15.00

BRASS WEIGHT SET

All weights are machined brass, accurately adjusted and marked. Housed in a hinged wooden box. Set of 10 weights: 200g, 100g, 50g, two 20g, 10g, 5g, two 2g, and 1g. Unused.
M1536D $13.50

SMALLER BRASS WEIGHT SET

All weights are brass, accurately adjusted and marked. Housed in a hinged wooden box. Set includes: 100g, 50g, two 20g, 10g, 5g, two 2g, and fractional weights from 1mg to 500mg. Forceps included. Unused.
M1537D $12.50

2500 LPI DIFFRACTION GRATING REPLICA

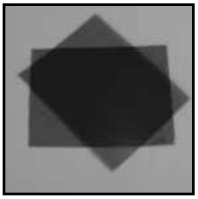
Student's Grating, 2,500 Lines Per Inch. 1-3/4" x 1-1/8" clear size mounted to 2-1/2" x 1-3/4". This is an optical component that separates white light into its component wavelengths. Perfect for use with our I1430D Spectrometer. Unused with plastic case.
M1568D $15.00

ADJUSTABLE OPTICAL SLIT

Adjustable slit opens from 0 to approximately 3mm. This is the same slit used in our #I1430D Spectrometer. Barrel OD is 22mm. Unit is 50mm long.
m1570D $15.00

SURPLUSHED℠

POLAROID SHEET PAIRS, 5.4" X 5.4"



Sold in pairs so you can demonstrate the effects of polarizing. If the two sheets are parallel, the light will be transmitted thru them. If perpendicular, very little light will pass. As you rotate one sheet against the other, you can vary the amount of transmitted light. These sheets are 0.27mm thick, have a protective polyethylene liner on one side, and the other side is coated with a broadband anti-reflective coating. The liner should be removed prior to use, but we are told that it shows some birefringence so it can be used to demonstrate 1/4 wave plate phenomena if left in place. Can be easily cut with scissors to different sizes. Unused. Price is for a pair.

M1582 $2.50

CORNING MICROSCOPE COVER GLASS, 35MM X 50MM

Corning optical glass No. 0211. Microscope cover glass thickness #1 (0.13 - 0.16mm). 35mm X 50mm. Made of the highest quality glass with high corrosion resistance. Water white and free from lead oxide. Production controlled for flatness and thickness so the surfaces are uniform and practically free from irregularities. In plastic container with slip off cover. Packaged 1 oz. per box (approximately 70 per box). Unused.

M1584 $3.00 or 10 for $22.00

5" OPTICAL ACRYLIC DOME

1/2 sphere dome made of thick clear optical acrylic. 5" diameter and 2-1/2" deep. Use to display and protect your valuable optical stuff, or keep small amounts of cookies, brownies, flowers, etc. dust free. Get two to make a complete sphere.

M1588 $5.00

WILLSON VENTILATED SAFETY SPLASH GOGGLES

Large wraparound distortion free polycarbonate lens protects eyes from chemical splashes or sprays and fits over most prescription glasses. Economical 4-vent design helps reduce fogging. Flexible frame with indirect vents for liquid splash protection. Impact resistant but not unbreakable. Complies with OSHA/ANSI Z87.1 standards. Willson Vue-Guard brand. Unused in original packaging.

M1595 $2.50

OUTSERTS EYELENS SET FOR MILITARY BIOLOGICAL/CHEMICAL MASKS

These are unused replacement eyelens sets (2 to a package) for the military ABC-M17 and M17A1 field protective masks. If you have one of these gas masks, then here's your chance to get a replacement outserts eyelens set. Or, here's a start to building your own mask, goggles, or whatever. Original cost was $16.94 per set. 3-3/4" wide by 3-1/2". Clear, scratch resistant plastic material surrounded by rubber. Price is for a set of two.
M1600 $1.50

STAINLESS STEEL VERNIER CALIPER
Low cost stainless steel vernier caliper. Measures up to 5". Labeled in both inches and centimeters. Unused, with case.
M1606D $7.95

CANON EOS T-MOUNT
This adapter allows your camera to accept the myriad of lenses and accessories (such as our camera adapter M1513) that conforms to the T-Mount standard. Quality metal construction.
M1607D $13.50

PENTAX T-MOUNT
This adapter allows your camera to accept the myriad of lenses and accessories (such as our camera adapter M1513) that conforms to the T-Mount standard. Quality metal construction. For Pentax K type Bayonet cameras.
M1608D $10.00

MINOLTA T-MOUNT
This adapter allows your camera to accept the myriad of lenses and accessories (such as our camera adapter M1513) that conforms to the T-Mount standard. Quality metal construction.
M1609D $10.00

NIKON T-MOUNT
This adapter allows your camera to accept the myriad of lenses and accessories (such as our camera adapter M1513) that conforms to the T-Mount standard. Quality metal construction.
M1610D $10.00

MICROMETER, 0 TO 25MM, 0.01MM GRADUATION
This is super for the price. Metal micrometer measures from 0 to 25mm with 0.01mm graduations. Plastic case included. Unused.
M1611D $12.00

INEXPENSIVE METAL VERNIER CALIPER

Low cost vernier caliper. Measures up to 5". Labeled in both inches and centimeters. Unused with case.
M1612D $3.00

43" LONG CAMERA STRAP

Here's your chance to get a back-up strap for your camera. These were made to go with the Nimslo 3D cameras. Unused.
M2008P $0.50 or 10 for $3.50

HANKSCRAFT COMPLETE MOTOR/GEAR DISPLAY ASSY

Consists of a plastic housing with a DC motor and some gears. Housing is 4-3/4" x 3-5/8" x 1-7/8" deep. An arm is included that attaches to the gear and protrudes out each side of the unit. There are holes to attach a display piece. Works off standard "D" battery which fits into the assembly. Use this device for a motion display or attach a small flag and you've got a flag waiver. Or use it as an educational tool to demonstrate how motors and gears can be used. Unused.
M2018P $3.00

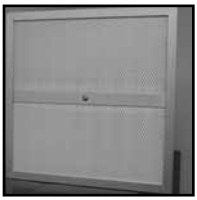
SURPLUSHED℠

AEROTECH AVS105 MOTOR-DRIVEN VERTICAL TRANSLATION STAGE

The AVS105 series stages offer the ideal solution for applications that require very small incremental movements in elevation above a horizontal plane. Their small profiles and precise motion capability make these stages ideal for use in semiconductor wafer inspection and testing, fiber optics assembly and inspection, automated tool alignment, and machine vision inspection systems.This is Model AVS-105-1 with the following features: Crossed-roller bearings for excellent stability; Submicron closed-loop positioning; Preloaded vertical bearing; and Adjustable limits and manual adjust knob. Travel is 5mm and maximum load is 22 pounds. Includes 50 pole stepping motor and 15 foot cable with connectors. Stage is 7-3/4" by 3-1/4". Add 3" to the length with motor attached. Table is 3" square. Like new condition. Only have a few.

M2049 $225.00

FLANDERS HEPA FILTER MODULE



Made to be used on clean room equipment. 17.625" X 17.625" X 5.5". Model #TH5217L17L007SU-F06A000000. Made by Flanders Filters, Inc. Specs: Resistance is 0.52; Penetration is 0.000065%; Test flow 160 CFM. The term "HEPA filter" stands for "High Efficiency Particulate Air filter". These filters are so efficient in removing small particles that they will capture the tiny particles contained in cigarette smoke. Like new. Only have a few.

M2052 $50.00

MEADE INTRO TO LX5 AUDIO CASSETTE

If you have a Meade LX5, here's the audio cassette that gives you instructions on how to put it together and use it. Lot's of the info is useful for any similar scope. On the other side is some interesting basic astronomy information. Quality noise reduction tape that can be recorded over.

M2056 $1.00

DIOPTER SCALE FOR MILITARY M-3 BINOCULAR

Unused in original box dated in the 1940's. Diopter scale for the military M-3 binoculars. Mfg by Westinghouse. If you have the M-3 binoculars, then here's your replacement diopter scale. Great inexpensive military collectable. Unused.
M2057 $1.00

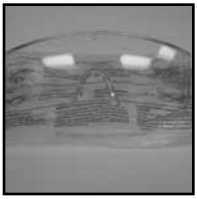
THE AMATEUR SCIENTIST ON CD-ROM - LATEST EDITION

This is dynamite!!From the archives of Scientific American Magazine, more than 72 years of experiments and projects from all The Amateur Astronomer, The Amateur Telescope Maker, and The Amateur Scientist columns from the beginning in 1928 thru 2001. Every article is complete with all photos, sketches, etc. More than 1,000 projects in every major field of science.These are actual construction articles rated by difficulty, cost, target age, and safety. Fully searchable text, updated and corrected. Articles from such well known people as Albert Ingalls and C.L. Strong, Jearl Walker, Shawn Carlson, and others.This is the most complete resource ever assembled for science hobbyists, home schoolers, educators, science fair participants, researchers, schools, colleges, clubs, organizations, etc. Covers the following areas of science: Astronomy, Archeology, Biology, Chemistry, Earth Science, Mathematics and Physics. Includes extensive Technical Notes and Tools & Techniques and tons of helpful science secrets that have never appeared in Scientific American.This comprehensive package also includes over 2,000 pages of helpful Technical Notes that never appeared in the magazine covering topics from choosing binoculars for astronomy to monitoring earthquakes, as well as the full text of Procedures in Experimental Physics by John Strong, a classic and much sought after reference on instrument making. In addition, there is a sample software library with demo programs, shareware, freeware, and other items of use to amateur scientists in all subject areas.This is just super. Works with Windows, Mac OS, Unix & Linux. Requires 32 MB RAM and Netscape 4.0 or higher or Internet Explorer or higher. Publisher's price: $39.99
M2071 $21.00

SCREW TOP MICROSCOPE OBJECTIVE CONTAINERS

These are made for the standard size microscope objectives. If you've got objectives lying around unprotected, you need these. Unused
M2075 $0.50 or 10 for $4.00

ASTROSPEC 3000 UV EXTREME REPLACEMENT LENSES-CLEAR



If you have the Astrospec 3000 safety eyeglasses, then you need these replacement lenses, or you can just attach a rubber band thru the side slots. These have UV protection, are anti-static, anti-scratch, and have a truly unique anti-fog coating that offers unparalled fog resistance in extreme conditions. These are unused government surplus.

M2080 $1.00 or 10 for $7.50

HEAVY DUTY HINGED ALUMINUM MILITARY CASE

Perfect for protecting your valuable astro or electronics equipment. Has rigid foam dividers and padding, 4 clasps, and two handles. 18" long by 15" wide by 14" high.

M2081 $29.00

ASTROSPEC 3000 UV EXTREME REPLACEMENT LENSES-GRAY

If you have the Astrospec 3000 safety eyeglasses, then you need these replacement lenses, or you can just attach a rubber band thru the side slots. These have UV protection, are anti-static, anti-scratch, and have a truly unique anti-fog coating that offers unparalled fog resistance in extreme conditions. These are unused government surplus.

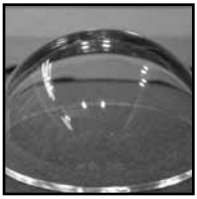
M2084 $1.00 or 10 for $7.50

INEXPENSIVE REFRACTOR FOCUSER FOR 0.967" EYEPIECES

Made by Meade for their TeleStar 60mm telescope. Mostly heavy duty plastic material. Rack and pinion movement. Chrome type coating on the outside of the tube and blackened inside. Set screws to hold your 0.967" eyepiece. O.D. is 2.4" and I.D. is 2.1". Designed to fit over the telescope tube. If you are building a small scope for a school or Boy/Girl Scout project or need an inexpensive replacement focuser, this is for you! Unused.

M2086 $7.95

4-1/4" OPTICAL ACRYLIC DOME



1/2 sphere dome made of thick clear optical acrylic. 4-1/4" diameter and 1-3/4" deep. Use to display and protect your valuable optical stuff, or keep small amounts of cookies, brownies, flowers, etc. dust free. Get two to make a complete sphere. Similar to our larger #M1588. Unused.

M2090 $4.00

BARREL MOUNTED 30MM IRIS DIAPHRAGM

A real beauty. Made to be used as part of a camera lens assembly. Knurled ring provides very smooth iris opening from 5mm to 30mm diameter. Has 15 leaves. Mounting ring is 80mm diameter with 4 mounting holes and unscrews if not needed. Has markings f/4.7 to f/32. Front and rear of the barrel have internal threads. Barrel is 25mm long and 54mm I.D. Clearly a precision made piece. Unused.

M2093 $15.00

1-1/4" TO .967 EYEPIECE ADAPTER

Use your Japanese standard .967 eyepieces in your 1-1/4" focuser. Plastic adapter fits over your focuser end and includes two set screws to hold it in place. Unused.

M2094 $1.75

1920'S SWISS ARMY SNOW GOGGLES

Quality dark glass in metal housing with tie straps. Comes in a nice metal case. Antique military collectible made in the 1920's-a rare find.

M2096 $15.00

BRASS ZERO BACKLASH GEAR

Brass double gear with springs to provide zero backlash. Gear is 2-1/2" diameter with 1/4" center hole.

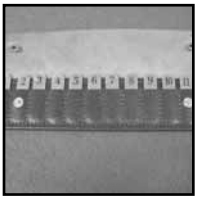
M2130 $4.00

BRITISH MILITARY ALERT BELL

Pending Action bells made for the British Ministry of Defense date to the early 1950's and were mounted in guardrooms and fire stations to be rung as an early-stage alert. Constructed of heavy bronze and beautifully polished, with the original "E.R." (Elizabeth Regina), Sovereign's Crown and date stamp engravings, these are ready to mount on the reinforced solid mahogany mounting bracket which were made by Dartmoor prisoners. These are BIG bells! 10 inches diameter, 11 inches high and weigh in at 22 pounds with the mahogany bracket. Call the family to dinner with a couple tugs of the 12" long leather strap.

M2183 $245.00

JOHN E. HAND BRASS MARITIME DRAW MARKERS



At the start of all maritime voyages, a watch rotation among the crew is established and a friction-free way to accomplish this task was to lay these 12 markers face down, shuffle them as you would dominoes and let each crewman pull a marker. Quickly and fairly, the watch rotation was set. Made in England and encased in navy blue leather. Set of 12 markers are made of polished brass.

M2184 $11.50

HIGH QUALITY OPTICAL ELEMENT OR LENS HOLDER

Not certain what equipment these optical holders were originally used with, but they could be adapted to hold an optical element or lens up to 54mm diameter in the center, and a small prism or mirror on top. Each holder measures 4-3/8" long x 2-1/2" wide x 1-1/4" deep, and is precision-constructed of black texture-enameled aluminum with a black plastic-knobbed tightening screw on the top, 5mm wide groove on the lower dual Allen bolt-attached guide, and base thumbscrew height adjuster with black rubber foot.

M2213 $6.50

NEW! PARAMOUNT PICTURES 3-D PROJECTION SYSTEM

A superb find for the vintage 3-D enthusiast!!! The Paramount 3-D Projection system works with the flat projection lens of movie theatre projectors to produce a more panoramic and 3-D projected image (same width with 20% decreased height) of movies made for 3-D. Anamorphic lenses are not needed and should not be used. The system mounts on the front of the projection lens, and modifies the image via the internal multiple front surface mirror assembly. These 3-D conversion systems were apparently produced by Paramount for movie theater usage during the Cinemascope era and we were told they were used with Friday the 13th part 3 in 3-D and the Jaws 3-D movie. This is the more modern system that uses polarization instead of the two color system used back in the 50's. The system is contained in a portable 24" wide x 12 1/4" high x 12" deep black textured vinyl-covered wooden box with handle, dual latches, and reinforced corners. The foam-insulated interior contains the system components: lens holder, assembly mounting plate, 2 assembly support rails, the projection unit with polarizer set, aperture plates, two Allen wrenches, hardware bag with Allen bolts and locking knobs, and system instruction manual. Aluminum construction. Lightly used. Mirror assembly is in mint condition. This is an incredible buy at our price as we understand they cost Paramount $1000.00 each. We think you may be able to use your camera to photograph thru it(slides?)and then attach it to your slide projector or make a stereo print for use in your old stereo viewer (we haven't tried these ideas). How about make you own 3-D movies? We know you'll get creative with this one. Get two? One for your camera and one for projection.

M2234 $75.00

INEXPENSIVE 2.75" DIA FRENCH BAROMETER

Made in France, these very nice looking barometers show when the weather is improving or deteriorating. Measures barometric pressure from below 28 inches to above 31 inches (<950 millibars to >1060 millibars). Has adjustable indicator that can be set over the pressure indicator to quickly see the direction of movement. Plastic housing. Has a set screw adjustment in case you drop it and it gets out of alignment. Front is 2.75" diameter, rear is 2-1/8" diameter by 3/4" deep so you can easily mount it into a nice wood base. Unused.

M3015 $5.00

INEXPENSIVE 2.75" DIA FRENCH THERMOMETERS

Made in France, these very nice looking thermometers show temperature in degrees F and degrees C. Plastic housing. Front is 2.75" diameter, rear is 2-1/8" diameter by 3/8" deep so you can easily mount it into a nice wood base. Unused.
M3016 $5.00

INEXPENSIVE 2.75" DIA FRENCH/GERMAN QUARTZ CLOCK

Quartz movement made in Germany, and the housing and assembly made in France. These very nice looking clocks include a second hand. Plastic housing. Front is 2.75" diameter, rear is 2-1/8" diameter by 1/2" deep so you can easily mount it into a nice wood base. Takes a standard 1-1/2 volt battery (not included). Unused.
M3017 $5.00

INEXPENSIVE WEATHER STATION

Consists of our M3015 barometer, M3017 clock, and M3016 thermometer. You could make a wood base for them and you'll have a nice set for your desk or wall.
M3018 $12.00

Motors

GEARHEAD MOTOR, 120VAC, 1/3RPM, CCW

Autotrol Model 700. 120VAC, 60Hz. 1/3RPM motor counter clockwise. Gear is 1/3" diameter and 2.4" long. 2.4 watts.
M2001P $4.50 or 10 for $35.00

SMALL DC MOTOR, 3950 RPM, PK OF 6

Low cost motor to power toys, models, etc. Operates on any DC voltage from 1 to 5 volts. Works well with flashlight battery. 3950 RPM. 5gr-cm load. KKK brand, Japan. Well built with spring steel brushes, fiber washers and brass bushings. 4" color coded lead. 7/8" diameter by 7/8" long. Shaft is 1/8" long. These have been in storage for years, so may need a drop of oil. Unused. Package of 6

M2002P $5.00

12VDC CANON CASSETTE MOTOR

Model MD39-R5CN-F. Nice motor that runs off 12VDC. Made to go into cassette machines. Has 7" long two wire cord. Unused.

M2009P $2.50 or 10 for $20.00

PANCAKE STEPPER MOTOR

Appears to be 50 steps per revolution. 1-3/4" diameter by only 3/8" thick. Has 3" long 5 wire lead with 6 prong end plug. Has 6/32 threaded shaft 1/2" long. Has two mounting ears, 3-3/16" distance between the two. We are told that this is a great motor for robotics applications but we don't have any additional specs. On the back of the motor is the numbers 6001336 and SI-3420, Japan. Unused.

M2015P $3.25

QUALITY MABUCHI HOBBY MOTOR

This is perfect for toys, robotics, solar power demos, and science projects. High quality model RF-500T-10750 by Mabuchi. Marked 5.9VDC, 10ma, but will run on 1.5v battery. We have large quantities of these so build them into your product and we'll supply them. Unused.

M2022P $0.99 or 10 for $6.00

TELESCOPE CLOCK DRIVE MOTOR WITH AC CORD

This is an exact replacement for many of the Meade equatorial mount clock drives. Made by the Cramer Company. Works off standard 120VAC, 60 Hz. 1/10 RPM. Unused.

M2058 $19.50

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1 RPM, 115VAC MOTOR WITH GEAR

Made by Singer Controls Co of America, model 414-287-20. One revolution per minute, CCW. Works off 115VAC 60 Hz, 3 W. 1-7/8" diameter by 3/4" thick. Has 20" long wires.

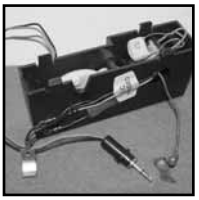
M2089P $4.50 or 10 for $35.00

HIGH TOLERANCE 5VDC BRUSHLESS BALL BEARING MOTORIZED SPINDLE

This motorized spindle, designed for Digital Equipment Corporation, is designed for a rotational speed of 5400 RPM and consists of an eight-pole permanent magnet rotor with integral disk mounting hub, a three-phase wye wound stator winding, and a three terminal interconnect. The connection to the driver electronics is through a flexible printed circuit assembly. This spindle was designed to be utilized in a 2.5 inch disk storage device and requires a special driver to operate. Spec sheet included and we have got a large quantity of these if you can incorporate them into a product. Unused.

M2160 $5.00

SMALL DC MOTORIZED GEAR ASSEMBLY



An interesting assembly for the electronics "do-it-yourselfer". The assembly black plastic casing measures 4 15/16" long x 1 5/16" wide, and includes a 1" long mounted motor with screw shaft, connected to dual plastic gears. The final gear has an 1/8" diameter positioning hole near the edge that aligns with a notch in the case side panel. Power to the motor is supplied through dual wires connected to what appear to be DC battery clips. A dual-wired 1/8" plug is attached to the casing and motor. The assembly has four base attachment tabs. Runs on 1.5 VDC (slow) to 9 VDC (fast) range. Output gear rotates between 30 and 50 RPM.

M2185 $3.00

NEW! MABUCHI FM-65/FM-250N HOBBY MOTORS

A sturdy DC motor for toys, robotics, solar power demos, hobby, and science projects. Measures 1 9/16" wide x 1 5/16" high x 1 3/8" deep, with combination tan plastic and dark gray-enameled metal case, 5/16" long shaft, and attached tab terminals. Runs on 1.5 to 9VDC power (6 VDC optimum). New, unused stock.
M2229 $1.25 or 10 for $10.00

AIRPAX 12VDC STEPPER MOTOR

Model A83709-M4. 0.4Amps/Phase. 15 degree/step. Has 6 wires, 4" long terminated in what looks like a pc type plug. 3/4" long shaft with a worm gear attached that makes the length 1-1/2". 2-1/4" diameter by 7/8" thick. Unused
R2028 $2.00

MABUCHI RE-140RA-90019B MINI MOTORS

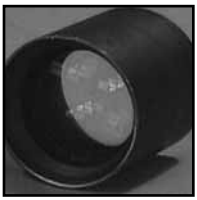
Same as our R3057 except the terminals are attached. These are great for school and hobby projects, robotics, solar, etc. 1" long with 1/4" shaft and 0.82" diameter. Runs on 1 to 3VDC. Unused.
R3057A $0.75 or 10 for $6.00

Objective Lenses

27MM DIA OBJECTIVE IN BRASS CELL

Achromatic doublet objective. 27mm diameter by 285mm focal length. Mounted in brass cell and held in place with retaining ring. Cell is 31.6mm diameter, and 34.6mm long. Cell reduces to 28.8mm diameter at middle.
L1403 $8.00

MOUNTED MULTI-ELEMENT OBJECTIVE



Coated, multi-element objective lens assembly. 36mm clear diameter by 6" focal length. Barrel is 45.7mm diameter by 45mm long. Sharp, color free image. Great for finderscope.
L1436 $8.00

OBJECTIVE LENS, 38MM X 297MM FOCAL LENGTH

Coated, cemented doublet, achromatic objective lens designed to be used in one of the military finders. Made up of a double convex lens (refractive index of 1.5230, Abbe V# of 58.600) and a meniscus diverging lens (refractive index of 1.6210, Abbe V# of 36.200). Diameter is 38.1mm. Equivalent focal length is 296.72mm, and back focal length is 296.164mm. Unused.
L1533 $7.25

53.6MM DIA. CTD ACHROMAT

Cemented doublet, 53.6mm diameter by 170 mm focal length. Coated. Great for finder or small scope. Sharp, color corrected images. Unused.
L1590 $7.50 or 10 for $60.00

TINY BESELER 125MM FL OBJ ASSY

Objective lens assembly made by Beseler. 125mm focal length, and assembly is only 12mm diameter and 16mm long, and threaded on the end.. Achromatic. Coated optics. Combine this with our tiny eyepiece assembly (L1620) for a super small telescope.
L1643 $5.00

68MM DIA OBJECTIVE LENS, 360MM FL

Here's a great lens for a finder or spotting scope. Coated optics. Cemented doublet achromat, 68mm diameter by 360mm focal length. We had these made for us in response to customer requests. Get two to make a super binocular. New.
L2160D $29.50

ACHROMAT OBJECTIVE 36MM DIA BY 100MM FL, CTD

Coated cemented doublet achromat objective lens. 36mm diameter by 100mm focal length. These are brand new, not surplus. We had these made for us and can get any quantity you may need for your optical product.
L2190D $16.00 or 10 for $135.00

MTD 80MM DIA OBJECTIVE, 400MM FL

Coated air spaced glass doublet objective lens, 80mm clear diameter by 400mm focal length. Plastic mount with O.D. of 95mm and front lip to butt against a tube up to about 100mm O.D. This will make a great quality telescope objective for a wide field scope, spotting scope or finder for your large scope. Unused
L2196 $29.00

MTD 80MM DIA OBJECTIVE, 900MM FL

Coated air spaced glass doublet objective lens, 80mm clear diameter by 900mm focal length. Plastic mount with O.D. of 95mm and front lip to butt against a tube up to about 100mm O.D. This is a great quality telescope objective and will make a nice scope. Unused
L3002 $29.00

43MM DIA WIDE FIELD OBJECTIVE ASSY

Unused beauties. Focal length is 150mm. Multi-element coated objective assembly. Barrel is 50mm diameter by 50mm long. Nice, sharp color corrected images even with wide field eyepieces. Also makes a great magnifier.
L3027 $5.00

52MM SPOTTING SCOPE OBJECTIVE

Cemented doublet, 52mm diameter by 230mm focal length. Not coated. Unused.
L3034 $6.00 or 10 for $50.00

ACHROMAT OBJECTIVE 36MM DIA BY 135MM FL, CTD

Coated cemented doublet achromat objective lens. 36mm diameter by 135mm focal length. These are brand new, not surplus. We had these made for us and can get any quantity you may need for your optical product.
L3108 $16.50 or 10 for $140.00

Optical Windows

OPTICAL WINDOW

19.85mm diameter, and 2.14mm thick.

L1385 $0.75 or 10 for $5.00

25" DIAMETER CLEAR PLATE GLASS WINDOW

These were made to go onto the front of military searchlights. Made by the Carlisle & Finch Company. 25" diameter by 1/4" thick. Unused and comes with a tube of Dow Corning #732 multipurpose sealant. Get two to make a double pane window in your office, make a skylight, or put one on the end of your 25" Newtonian to protect the mirror from dust, etc. Unused.

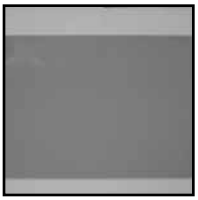
M1591 $28.00

OPTICAL GLASS PARALLEL PLATE

Unused 1/4" thick optical glass plate, 14 3/8" long by 9 1/4" wide. Ground and polished optical glass with parallel sides. Great for use as an optical window or for experiments.

M2013P $5.00

ND OPTICAL GLASS PARALLEL PLATE, 12" X 8.75"



Unused light neutral density 1/8" thick optical glass plate, 12" long by 8-3/4" wide. Ground and polished optical glass with parallel sides. These were made for Dennison copiers. Great for use as an optical window or for experiments.

M2129 $4.00

SCHOTT THIN GLASS, 12" X 12"

Quality clear glass made in Germany by Schott is 12" square and 1.2mm thick (0.05"). Not sure of the type of glass but it looks like plate. Perfect for delicate glass used in clock faces or picture frames, or get creative for your own application. Our understanding is that thin glass of this type is not made in the US. These were imported from Germany. Not sure who they were originally imported for but they got stored for several years in their original wood crates and we have several thousand pieces. If you have a product that needs quality German thin glass, we can supply it. Price is for a package of 20 pieces, 12" square. Quantity price is for 5 packages of 20. Unused.

M3012 $25.00 or 5 for $100.00

Photographic Film/Paper

AGFA-GEVAERT 9.5" SQ. PHOTOGRAPHIC FILM PLATES

Unused photographic film plates made by Agfa-Gevaert of Belgium are 9.5" square and 2mm thick. These are precision parallel surface glass film plates. 10 plates per package. Open only in darkroom. Marked "AVIPHOT DIA C". Not sure when they were made as there is no date on them. Our understanding is that they have very long shelf life and they have been kept cool. If you don't need them for the film, they seem to be useful for ground glass imaging. A rare find. Price is per package of 10.

M2149C $75.00

KODAK PROFESSIONAL POLYCONTRAST RAPID RC B&W PHOTOGRAPHIC PAPER

A fast selective-contrast black & white enlarging paper. Intended for commercial, industrial, news, aerial, and police photography. Also useful for advertising displays, photofinishing, and other applications that call for a general-purpose black & white paper with a neutral-black image tone. New unused unopened boxed rolls of 105mm x 200 ft. If you don't need it in a roll, you can get about 580 sheets 105mm x 105mm. Smooth texture, glossy surface, white base, medium weight. Kodak catalog# 15401-250500. Marked expirations in 12/1976 but our understanding is that the shelf life on these is decades.

M2216C $25.00

Power Supplies/Adapters

CALCULATOR POWER SUPPLY

Model B905-019-1 has an input of 120VAC, 50/60Hz, 8 watts and an output of 9VAC, 275MA. Nice long cord terminates with a 2 prong female connection. Unused.

M2143 $2.50

KIC 12VDC, 300MA ADAPTER

Input is 120VAC, 60HZ, 9W and output is 12VDC, 300mA. Made by KIC, Model # 41-12-300D and is made for indoor use only. Class 2 transformer. Has a very long cord and terminates with a coaxial plug.

M3025 $1.25

GAME AC/DC ADAPTER, 10VDC AT 550MA

Nuby SE-14 adapter made to power the Sega Game Gear products and we understand that it will also work with Nintendo. Provides 10VDC at 550 mA from standard 120VAC, 60HZ. Model 48-10-550D. Most 12VDC devices work fine with 10VDC. Has coaxial plug, 5mm OD and 1.5mm ID. 10 foot cord. Here's an inexpensive DC source at high current. Unused.

R2006P $1.50 or 100 for $99.00

REGULATED CAR/BOAT VOLTAGE CONVERTER

Plugs into your car or boat's cigarette/power outlet and converts the 12 volts to 6VDC, 7.5VDC, or 9VDC, 300 MA. Includes a universal 5-way plug and has polarity reverse capability. Use this to power your portable electronic items such as tape recorders, radios, calculators, CB radios, etc. Fen-Tone Model #FCB-1034. Unused.

R2015P $3.00

PACE AC TO 12VDC CHARGER

Model P5807 converts standard 120VAC 60Hz to 12VDC, 50mA to charge your rechargeable radio or recorder batteries. Has a standard mini plug and a mini plug jack to 9V battery plug adapter. Unused in original blister pack.

R2026P $2.95

Prisms

GUN CAMERA ERECTOR ASSEMBLY

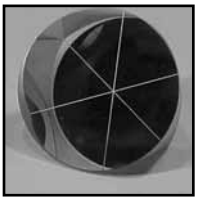
Made by Bell & Howell for the Army "AN" Gun Cameras. Prism erector assembly with protective optical window. 1" openings.

L1369 $10.00

TINY PENTA PRISM

A beauty, only 20.3mm long with faces of 13mm square. Surfaces have not been aluminized.
L1676 $5.00

63.5MM CORNER CUBE PRISM



These corner cube retroreflectors (trihedral prisms) reflect any beam entering it back to its source, regardless of the prism's orientation. Used in surveying, precision alignment, etc. Unused beauties. Made of BK7, beam deviation 180 degrees +/-3 arc seconds and working distance 1000 metres and more.
L1792 $95.00

WW II US ARMY TANK PRISM

These were spares to replace damaged prisms in tank periscopes. Prisms are mounted and in great condition. 6-3/8" long by 2" high by 1-1/2" wide at the base. Great collectable, or put two together to actually make a quality periscope.
L1814 $6.50

BK7 EQUILATERAL PRISM

These prisms have equal 60 degree angles and are used to disperse light into its constituent colors. Made of BK7 Optical glass. Index of Refraction is 1.517. 25mm x 25mm x 25mm. 60/40 surface quality with 1/2 wave accuracy. Angle is within +- 5 arc min. Unused.
L1851D $7.50

F2 EQUILATERAL DISPERSION PRISM

These prisms have equal 60 degree angles and are used to disperse light into its constituent colors. 35mm x 35mm x 35mm. Made of F2 optical glass. The higher the refractive index of the prism material, the greater will be the separation of wave length. Index of Refraction is 1.620. 60/40 surface quality with 1/2 wave accuracy. Angle is within +- 5 arc min. Unused.
L1885D $19.50

SF2 EQUILATERAL DISPERSION PRISM

These prisms have equal 60 degree angles and are used to disperse light into its constituent colors. 25mm x 25mm x 25mm. Made of SF2 optical glass. The higher the refractive index of the prism material, the greater will be the separation of wave length. Index of Refraction is 1.648. 60/40 surface quality with 1/2 wave accuracy. Angle is within +- 5 arc min. Unused

L1886D $19.50

25.4MM CORNER CUBE PRISM

These corner cube retroreflectors (trihedral prisms) reflect any beam entering it back to its source, regardless of the prism's orientation. Used in surveying, precision alignment, etc. Unused beauties. Made of BK7 with a tolerance of +- 2.3 arc seconds.

L1892 $59.00

RIGHT ANGLE PRISM 30MM X 42MM X 30MM

Made of BK-7 optical glass. Length & width are 30mm, and hypotenuse is 42mm. Right angle prisms are used to achieve a 90 degree light path bend. The image will be erect and reverse left to right. Can also be used in combination for image/beam displacement. These are unused and have surface quality of 60-40, dimensional tolerance of +- 0.2 arc min, angle and pyramid tolerance of +- 3 arc mins, and surface flatness of about 1/2 wave.

L2001D $12.00

MEDIUM SIZE DOVE PRISM

42.25mm long by 10mm wide by 10mm high. Face is 14.15mm by 10mm. Dove prisms are also called image rotators because if you look through the prism and rotate it about a longitudinal axis, the image rotates through an angle twice as much as the prism. Unused. Made of BK-7 optical glass. Surface finish 60-40 with 1/2 wave flatness.

L2002D $12.00

COATED LITTROW DISPERSION PRISMS

30-60-90 degree prisms. 37.9mm long by 22mm wide and 22mm high. One surface is coated with AlSiO and protected with black paint. It diverts the beam by 60 degrees without inverting or reverting the image. Unused. Made of BK-7 optical glass with surface quality of 60-40 and flatness of 1/2 wave.
L2003D $14.00

RIGHT ANGLE PRISM 25MM X 35MM X 25MM

Made of BK-7 optical glass. Length & width are 25mm, and hypotenuse is 35mm.Right angle prisms are used to achieve a 90 degree light path bend. The image will be erect and reverse left to right. Can also be used in combination for image/beam displacement. These are unused and have surface quality of 60-40, dimensional tolerance of +- 0.2 arc min, angle and pyramid tolerance of +- 3 arc mins, and surface flatness of 1/2 wave.
L2004D $9.00

RIGHT ANGLE PRISM 20MM X 28MM X 20MM

Made of BK-7 optical glass. Length & width are 20mm, and hypotenuse is 28mm.Right angle prisms are used to achieve a 90 degree light path bend. The image will be erect and reverse left to right. Can also be used in combination for image/beam displacement. These are unused and have surface quality of 60-40, dimensional tolerance of +- 0.2 arc min, angle and pyramid tolerance of +- 3 arc mins, and surface flatness of 1/2 wave.
L2005D $8.00

MOUNTED ROOF PRISM

Roof prisms are used with objective lenses in telescopes and binoculars to invert the image and correct left/right orientation. Face is 13mm clear diameter. Mounting is 24mm long by 22mm diameter. Coated. Like new. Our low price was $8.00. Closing out at half that!!
L2080 $4.00

25MM PENTA PRISM

Penta prisms are 5 sided prisms that reflect light rays thru a 90 degree angle by 2 reflections. They do not invert or revert the image. The reflecting surfaces are aluminized and protected by black paint. This one has 25mm square faces. These prisms also shorten the length of an instrument. Made of BK7 optical glass with 60/40 surface quality, dimensional tolerance of +-0.10mm, angle tolerance of +-5 arc mins, and 1/2 wave flatness. Unused. Edmund sells similar prism for $99.00

L2098D $39.00

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45 DEGREE REFLECTION PRISMS

These 3 sided prisms are used to deflect a beam thru a 45 degree angle. Shortest side is 19mm by 19mm, and the longest side is 32.5mm long by 19mm wide. . Made of BK7 optical glass with 60/40 surface quality, dimensional tolerance of +-0.20mm, angle tolerance of +-5 arc mins, and 1/2 wave flatness. The larger reflecting surface is aluminized and protected by black paint. Unused.

L2099D $7.50

RIGHT ANGLE PRISM 10MM X 14MM X 10MM

Made of BK-7 optical glass. Length & width are 10mm, and hypotenuse is 14mm.Right angle prisms are used to achieve a 90 degree light path bend. The image will be erect and reverse left to right. Can also be used in combination for image/beam displacement. These are unused and have surface quality of 60-40, dimensional tolerance of +- 0.2 arc min, angle and pyramid tolerance of +- 3 arc mins, and surface flatness of 1/2 wave.

L2100D $4.50

AMICI ROOF PRISMS

Amici prisms invert the image and bend the line of sight thru a 90 degree angle. They are excellent as prism diagonals in optical systems because they erect the inverted image. Can be used with your telescope as a diagonal that keeps correct left/right orientation. Face is 20mm long. Prism is 34mm long by 18mm wide.

L2146 $12.50

WEDGE PRISM 27MM X 19MM X 14MM

Not sure what these were designed for as they are polished on the two longest sides, but only ground on the shortest side. Longest sides are 27mm and 23mm. Shortest side is 14mm. Width is 19mm. Like new.

L2171 $5.00

RHOMBOIDAL PRISM, 60MM LONG

Coated Rhomboidal prism, 60mm long, 15mm thick, and 15mm high. 0 degree light deviation. Displaces image according to length of prism. Image position remains parallel to the old line of sight. Image is neither reverted nor inverted. Unused

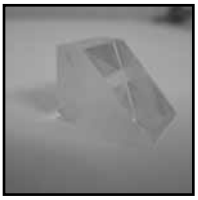
L3011 $18.00

UNUSED 6X30 BINOCULAR PORRO PRISMS

Quality porro prisms made for 6x30 binoculars. If you've been looking for replacement you are in luck. Or use them to create a full spectrum rainbow from a ray of sunlight. Base is 43mm long, height is 21.25mm, and width is 21mm. Mint condition

L3023 $4.00

SPECIALTY 25MM RIGHT ANGLE PRISM



Hypotenuse is 25mm long by 20mm wide. One side is 23mm long and the other is 16mm. Prism is flattened at the top and has a bevel at the bottom. Clearly designed to go into a specific optical device. Unused.

L3026 $2.50 or 5 for $10.00

LARGE EQUILATERAL PRISM

A beautiful piece made of optical glass. Hypotenuse is aluminized and is 95mm x 90mm. Sides are 65mm x 95mm. Prisms have small edge chips that won't interfere with your application.

L3052 $10.00

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90 DEGREE AMICI PRISM ASSY FOR NIGHT VISION

Made for one of the military night vision scopes, this 90 degree assembly has a beautiful 45mm long amici roof prism, a 2" optical window, and a negative lens assembly. If you have the scope these were made for (we don't know which one), you need this. If not get if for the components, especially the amici prism which inverts the image and bends the line of sight thru a 90 degree angle. Amici prisms are are excellent as prism diagonals in optical systems because they erect the inverted image and can be used with your telescope as a diagonal that keeps correct left/right orientation.

L3082 $15.00

EQUILATERAL PRISM, 90 X 85 X 65MM, ALUM

This is a beautiful optical glass prism. Hypotenuse is aluminized and is 90mm x 85mm. Sides are 65mm x 95mm. Prisms have minor edge chips that won't interfere with your application. These are similar to our item L3052 but with a smaller hypotenuse.

L3122 $8.00

EDMUND SCIENTIFIC RA PRISM, 13 X 18 X 13MM, ALUM

These are commercial quality right angle prisms made by Edmund Scientific. Their part number is 32,286. Each face is 13mm square and the aluminized hypotenuse is 18mm long by 13mm wide. Right angle prisms are used to achieve a 90 degree light path bend. Listed in the 2000 Edmund catalog for $27.15 each. Unused in original packaging.

L3124 $6.00

RIGHT ANGLE PRISM, 40MM HYPOTENUSE, 28MM SIDES

Quality right angle prism with 40mm long hypotenuse and 28mm square sides. Unused

L3134 $9.00

RIGHT ANGLE PRISM 15MM X 21MM X 15MM

Made of BK-7 optical glass. Length & width are 15mm, and hypotenuse is 21mm.Right angle prisms are used to achieve a 90 degree light path bend. The image will be erect and reverse left to right. Can also be used in combination for image/beam displacement. These are unused and have surface quality of 60-40, dimensional tolerance of +- 0.2 arc min, angle and pyramid tolerance of +- 3 arc mins, and surface flatness of 1/2 wave.

L3152D $5.00

AMICI ROOF PRISM - SMALLER SIZE

Amici prisms invert the image and bend the line of sight thru a 90 degree angle. They are excellent as prism diagonals in optical systems because they erect the inverted image. Can be used with your telescope as a diagonal that keeps correct left/right orientation. This particular prism is slightly smaller than our L2146 Amici. Face is 16mm long. Prism is 22mm long by 12mm wide.
L3199 $11.50

Radio/Electronics

PANASONIC LITHIUM COIN BATTERY #BR2032

Panasonic battery #BR2032 is a 3 volt, coin type lithium battery. These are surplus but unused. The BR2032 has extremely small self-discharge for long service and shelf life. They are used in cameras, calculators, watches, and lots of other electronic devices. If you need them, here is your inexpensive source.
M2142 $0.50 or 10 for $3.50

CR1002 COMMUNICATIONS RECORDER

The CR1002 is a voice recorder, time code generator and analysis unit all in one. Compact, rugged and versatile voice logging communications recorder. Designed to withstand vibration, dust, rain and extreme temperatures, the CR1002 incorporates the patented POSILOCK 1000 cassette tape transport mechanism, engineered to operate under the severe environmental conditions found in airborne, mobile and manpack operations. Here are some of the features: Uses standard cassettes; Auto reverse recording or continuous loop recording, selectable from the keyboard; Dual speed operation, keyboard selectable, 1-7/8 ips or 15/16 ips; Built-in-time code generator and reader, with time search; Extensive self-test (BITE); Automatic recording (VOX, COR); Auto replay, cue and review facilities; Real time clock with battery back-up. The recorder has microprocessors controlling its functions to ensure versatility and ease of use. Made by Signal Design, Inc for the military (They were bought by Dynamic Instruments, San Diego, CA) and while no longer manufactured, it is still supported. Will accept any power source from 12VDC to 28VDC. Unused with operator manual. Does not include cables or wiring diagrams. Original cost was $3000.00
R1440 $175.00

OMNI DIRECTIONAL SCANNER DIPOLE ASSEMBLY

Wide band scanner antenna vertically polarized 8 element omnidirectional dipole assembly. Stands about 6 feet high. Attach your cable and mast and you should get great reception from the lowest scanner frequencies to the highest.
R1444 $14.50

CONTELCO-GUARD DETECTOR

Type ME-400 detector with 14" antenna. Not a clue what this is for but our guess is that it's some kind of detector in the 140 to 150MHz area. On the bottom it says "This device should be used for the both of ME-418, ME-450 with product number over three thousands." (Whatever that means). Has 3 circuit boards and a few components and power connector on the side. Metal case is 5-3/8" x 2-3/8" x 1-3/4" high. If you can figure out what its for, it's a steal at 4 bucks. Or use the case and antenna for your own project. They look new.
R1455 $4.00

KIKUSUI COS6100M 100MHZ OSCILLOSCOPE

This is a powerful 100 Mhz oscilloscope with 5 channels and 12 traces. It has a four way trigger off either channels 1, 2, 3, or ALT. Trigger lock for stable automatic triggering for complex signals such as video waveforms. Can display several Lissajous patterns at the same time. 5 mV to 5 V per division (1 mV with magnifier) and 2% accuracy. Sweep speeds are 20 ns to 500 ms. This is the scope that is being used in production, testing, R&D, and home shops because of its versatility and portability. Tested and in good working condition. Complete manual copy included. Only have a few.
R1456 $225.00

SURPLUSHED℠

U.S. ARMY VEHICLE TEST METER

Model STE/ICE-R made by G.E. or RCA for the Army. The instrument is a versatile diagnostic tool for testing and taking measurements on vehicle engines as well as many other types of electrical and mechanical equipment. Unfortunately we don't have the cables or optional transducers that came with the original unit, but we do have the complete Technical Manual which will be included with each order. There are lots of tests that can be set up with the 2 digit test select switches. Digital readout for test results. These are in like new condition and cost our government $7248.00 each and we have them at an unbelievably low price. You'll have to get creative to replace the cables if you want to use it as designed, but the instrument is loaded with military spec parts and uses are probably limited only by your imagination. Sorry, but we are not allowed to ship these outside the United States.

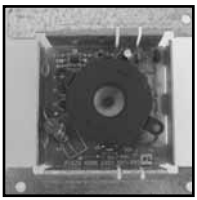
R1466US $35.00

FIRE ALARM SPEAKER/STROBE

Unit has 4" x 2" strobe and 4" heavy magnet speaker with transformer. Transformer calls for 25 volts. Lots of components. Great unit to experiment with or use it as a replacement. Don't have the specs or the manufacturer's name. 6-1/2" long by 4-1/2" wide by 3" deep. Like new condition. Speaker alone is worth more than our price for the entire strobe unit. Take a look at all 3 photos to get a better idea of the quality.

R1470 $7.50

PIEZO HORN SIREN ASSEMBLY



These are taken out of unused fire alarm systems. Can use anywhere from 3 to 24VDC to activate the Piezo horn. Very Loud!! Unit is 2-3/4" square and has mounting strips attached.

R1472 $5.00

HP 334A DISTORTION ANALYZER

The Hewlett Packard Model 334A distortion analyzer covers 5 Hz to 600 KHz range. Measures down to 0.1% full-scale distortion. Measures noise as low as 25 micro volts, and voltages from 300 micro volts to 300 V rms full scale. Some features include Auto Nulling (which speeds up the time consuming portion of measurements), an AM detector (which has a frequency range from 550 KHz to 65 MHz), and a 1 KHz High-Pass filter.
R1474 $150.00

METER MOVEMENT

Not a clue what the specs are on these, but this is a nice meter movement mounted in a plastic jar. Has a 2.5" long wire to connect to whatever it is to measure. Has a 7mm long red pointer. Movement is 25mm high by 20mm long by 15mm wide, and in good condition.
R1476 $2.00

5" X 7" DUAL CONE SPEAKER

Has protective fabric covering. 3.2 ohms, 8 watts. Heavy magnet. 4 mounting holes.
R1477 $4.00

COMPACT ENCLOSED SPEAKER SYSTEM

This is a beauty. Super compact speaker system that appears to have been designed for use with your computer as it has a 26" long cord with a 2 prong PC card plug on the end. Quality 2-1/2" speaker with heavy magnet for excellent sound reproduction which is enclosed in a 4-1/4" x 3" x 2-1/4" deep black bakelite case. The enclosure has felt backing and a 5/8" opening for improved sound. Use with your computer, car stereo, or wherever you need a quality small speaker system. Like new.
R2008P $2.50 or 2 for $4.00

MOUNTED 2" DIA 8 OHM SPEAKER

Made by Shogyo. 8 ohm speaker, 2" diameter, 0.2 watts. Looks like it was made to fit on a computer circuit board. Has plastic mounting with feet to snap in place. Has 6" leads.
R2012P $0.75 or 10 for $5.00

PUSH TO TALK CB HAND MICROPHONE

Blue Bird hand CB microphone. Features shielded coiled cord with 4 pin plug. Has 2-1/2" long push to talk switch and variable Min/Max voice control. Unused.
R2018P $5.00

LITRONIC ARGUS 2202 PCMCIA READER

This is a parallel port attached two socket PcCard Reader. Designed as a desktop interface for users of PcCards such aas the Fortezza secure token. The Fortezza secure token is used to provide e-mail security across the internet for selected Department of Defense users. It's IBM PC compatible. The unit connects into your computer's printer parallel port, and your printer connects to the reader's printer port. Included is an AC adapter that supplies 15VDC at 800mA. Drivers are available from www.litronic.com for Windows 95, NT, and 98. Power supply and parallel cable alone is worth our price for the complete unit. Unused in original packaging.
R2032 $19.50

FIRE ALARM STROBE UNIT

4" x 2" strobe with lots of electronic components. Has two 7" long wires to go to power. We believe 25 volts is the power requirement as these were made to be part of our R1470 complete Fire Alarm/Speaker Strobe unit. Great unit to experiment with or use it as a replacement. Don't have the specs or the manufacturer's name. Like new condition. Take a look at the second photo to see the component board.
R2033 $3.50

TELESOUND STEREO FROM MONO TV

Solid state device designed to give high fidelity simulated stereo sound from your television's monaural signal. Use it with your walkman or portable TV. Made by TeleSound, Inc of NJ. This is a stereo amplifier with a matrix circuit that gives two channels, each with 7 watts RMS output. Has separate bass and treble controls and a balance control. Unused in original packaging with instructions, power adapter and cables. Nice looking.

R3035 $22.50

MICROCOM OFFICEPORTE DESKTOP VOICE/DATA/FAX MODEM & SPEAKERPHONE

This system offers the following features: V-34 data transfer at speeds up to 33,600 bps. Fax send and receive with transfer at speeds up to 14,400 bps. Fully supported for cellular systems. Full duplex speakerphone with echo cancellation. Automatic Voice/Data switching. Analog simultaneous Voice and Data. Personal Voice Mail functions with the supplied software. Programmable speaker volume control. Distinctive ring detection. Automatic speed negotiation. Industry-standard AT command set compatibility. These units are unused in their original packaging and include a power adapter, telephone cable, fax/data/voice mail communications and internet software on 3.5" disc, data cable, modem and user manual. Operating Systems: Microsoft Windows Version 3.1; Microsoft Windows for Workgroups Version 3.11 (or higher); Microsoft Windows 95; Windows NT. If you are using these windows versions, this is a great buy. If not, then put your creativity to work.

R3036 $15.00

JERROLD DIRECTIONAL COUPLER/SPLITTER

Model DC-8 directional coupler made by Jerrold. Frequency range is 12-216 Mhz and is designed to be used with 75 ohm coaxial cable as mixing, splitting or line-bridging devices and comes with an installation sheet showing the hook up for all three applications.

R3038 $1.00

Reticles

MOUNTED RETICLE, 22MM CLEAR DIA

The top outside diameter is 37mm and the rear threaded outside diameter is 30mm and the assembly is 17mm long. Front and rear clear diameter is 22mm and there is an elaborate reticle pattern in the center. The reticle pattern consists of a + sign with vertical dashes which span through a series of 8 horizontal dashes with every other horizontal line marked with the numbers 8, 15, 24, 32. The horizontal dashes end here and the vertical line terminates with the number 42. Have no idea what application this reticle was used for but it looks military.

L3126 $4.00

SQUARE VERTICAL HAIRLINE RETICLE

12mm square. Designed to be used with a military aiming circle. Made up of 2 pieces of optical glass. Refractive index of 1.5230 and 1.5838. Abbe constant of 58.6 and 46.0. Unused in original packing.

M1428 $3.50 or 10 for $25.00

27MM COLLIMATOR RETICLE

Concentric rings with center hole and cross hairs. Thin die-cut metal, black. We've been told that this makes a fine replacement for the reticle in the N3-C gunsight.

M1487 $2.00

MOUNTED RETICLE ASSEMBLY

20mm diameter barrel by 33mm long with opening to light the reticle which is in the center of the barrel. Reticle has large inverted V with its tip in the center of the reticle. Small "v"s to the left and right of center. Also has vertical line towards center of the V. Unused.

M1530 $5.00

8.6MM DIA CROSSHAIR

This is glass, 8.6mm diameter by 1.2mm thick with a metal coating on one side with a crosshair in the center. Only light thru the crosshair gets seen.

M2055 $0.75

Solar

SOLAR KEY CHAIN LIGHT

Unique key chain made by Chronar. The unit has a solar cell which charges its rechargeable battery. Switch on the side turns on the light. 2-1/4" long by 1-1/4" wide. Even if you don't need a key chain, you need this for the parts. The solar panel and other components disassemble easily. Get a second one to sit on your car's dash. Unused in original box. For first use you'll need to leave it in the sun for a couple of days to get a good charge.

M2036P $3.00

SUNERGY SOLAR DIGILITE

Model CH-NL. Unused in original packaging. Light up your house number at night. Digilite automatically turns itself on at dusk, off at dawn. 4 hours of full sun will run the Digilite for 3 nights(1-1/2 hrs runs it all night). Solar panel can be oriented to optimize the sun's energy, or removed for remote wired placement. Includes hardware for stake mounting (16" stake included) and wall mounting. Built in sensor turns unit off/on automatically. Illumination source never needs replacement. Bright red 4 inch numbers are easily visible from 500 feet at night. Up to 5 digit placement. Weatherproof. Uses 3 standard AA nickel cadmium batteries (supplied, but they may need to be replaced with new ones as these were made in 1988).

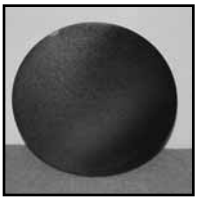
M2111 $25.00

SOLAR DRIVEN ROTATING PLANT TABLE

For plants that need indirect light. Table is 6" diameter. There is a solar cell with 36" long cord. Solar cell goes in window and table rotates when there is exposure to the sun. Great for experiments to see if plants using the table do better than plants that are stationary. Unused.

M2118 $10.00

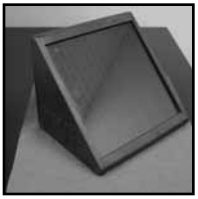
RAW SILICON WAFERS - 100MM DIAMETER - PKG OF 25



Manufactured by Monsanto, these wafers are the same type used in solar cell and semi-conductor manufacturing. Resistivity of .5-2.0 ohms, thickness of 0.0185-0.0215", and diameter of 3.898-3.976". Great for experiments! Price is for a package of 25

M2215 $10.00

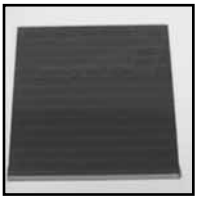
SOLAR POWERED OUTDOOR LIGHT WITH 6" SQ SOLAR PANEL



We got them because the batteries do not work. The battery is a lead acid rechargeable type and we do not know if they are available. You may be able to use some Nickel Cadmium batteries, but we haven't experimented with the idea. However, if you don't want to replace the batteries, get them for the parts. Has a weather protected 6" by 6" solar panel, light bulb with 5 sided reflector shield, light sensor assembly, Auto/Off switch, all protected by weatherproof ABS construction. Model CH-WI by Sunergy. Take a look at all 3 photos to get an idea of all you get for such a bargain price.

M3009 $7.00

GLASS SOLAR PANEL, 6" SQUARE



Provides 9 to 10 volts unloaded, and about 100ma. Harness the Sun's energy!! Has white vinyl on the back with copper solder strips. Easy to attach leads. Perfect for use with some of our small motors. Unused.

R1471P $5.00 or 10 for $40.00

GLASS SOLAR PANELS, 12" X 6"

Provides about 9 volts at around 1 watt. Harness the Sun's energy!! You can use the included metal clips to attach leads or solder direct. Works great with our hobby motors. Get several and hook them up in series or parallel for more voltage or power.

R2010P $4.00

Telephones

REAL TOUCH TONE DESK PHONE

Not a cheap hand held discount department store flip phone but a true desk phone with a real bell (with loudness control) and handset with removable microphone and earphone buttons. Great spare phone and super for classroom education.

M1589 $8.00

HAND TELEPHONE WITH 9' MODULAR CORD

Great spare phone that plugs into those phone jacks you may have all over your house. Has tone/pulse switch, ringer on/off switch and power on/off. Doesn't have labels on the numbers or switches but we'll include a template. Lots of electronics in this (see our second photo). Use as a spare or take apart for the earpiece, microphone, ringer and components. Has two circuit boards. Great for education to show the components of a modern phone. Coiled modular cord would cost you as much as our price for the entire phone with cord. Unused.

R2011P $3.00

ITT SYSTEM 3100 EXECUTIVE TELEPHONE

This is an unused in the original box PBX compatible phone that has lots of great features. However, if you don't have the system to connect to, only the standard touch tone phone dialing will work unless you become creative and figure out a way. Some of the features include: Voice mail, Speaker for handsfree operation, conference button, hold button, speaker volume control, background music, 8 programmable buttons and 3 fixed function buttons, mute button, ringer control and Call Transfer button. Model 281075/MOE/20M Pearl Grey. User's guide with operating instructions included. We did an internet search and found some selling for $299.00.

R3033 $19.00

WANG SPEAKER/HANDSET PHONE

Brand new units will work well if all you need is a receiving unit. Does not have dialing capability.

R3037 $5.00

Telescopes

MEADE 8 X 50MM FINDER

Model #07424 white finder made by Meade. 8 power with 50mm achromatic objective. Unused in original box. Coated optics. Our price is much lower than Meade dealer cost. Only have a few.

L2078 $40.00

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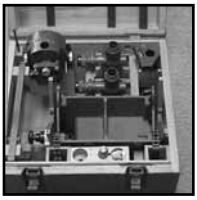
8 X 21MM COMPACT ERECT IMAGE FINDER SCOPE

Made by Meade for the ETX Telescope, this is a great compact scope not only as intended for a finder, but for use at sports events, plays, etc. 8 power. Has 21mm diameter cemented doublet achromatic objective, roof prism, and eyepiece with crosshair. Objective end adjusts for focusing. 3-1/4" long by 1-1/4" diameter. Nice wide field of view. Coated optics. Unused in original box. Get two and make a binocular?

L2079 $15.00

LEITZ WETZLAR ARTILLERY COLLIMATOR



Superior Leitz optics. The main assembly is secured around the gun's barrel by two chains that fasten to the back of the housing. There are two Leitz scope assemblies with focusing eyepieces and unusually complex grid reticles. Has a precision rotary stage with fine control, several levels, and other accessories. This boresight collimator was clearly an expensive military device. Like new condition in its original wood case with Leitz and other markings. Weighs 60 pounds including the case.

T1469 $225.00

LEITZ WETZLAR BORESIGHT TELESCOPE

Model A1A1. Unused beauty made in Germany with superb coated optics. Designed to align the military gun muzzles with the gunner's sight. Includes right angle erect viewing, a great focusing eyepiece and a unique precision reticle. Focuses from 3 feet to infinity. Reticle has crosshair with square grid throughout, and numbers & letters running vertical and horizontal on each side of center. Objective is only 15mm diameter but the instrument provides sharp correct wide field images. 9-1/2" long and right angle assembly is 5" long. If you've always wanted to have a Leitz military optical item, here's your chance and at a fraction of original cost.

T1483 $75.00

MILITARY SIGHTING TELESCOPE

Made in Italy, this was designed to be attached to one of their military firing devices. Sighting Telescope No. 76. Gives 1.8X. Has a prism erecting system, coated optics and viewing is at a comfortable 60 degree angle. Eyepiece has reticle and rubber eye guard. Comes complete with battery operated light source that connects to the scope to illuminate the reticle. Takes 2 standard "D" cells. Includes original metal case.

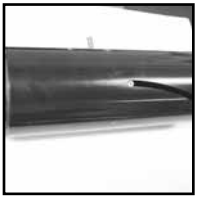
T1491 $65.00

$17,699 MILITARY INSPECTION TELESCOPE

This is a precision telescope made for the military and designed for one to view into a test cell for failure analysis. Considered a close focus inspection telescope. Focus, as is, goes from about 8' to 30'. The coated optics are suburb and the image is sharp and perfectly flat from edge to edge. Objective is 70mm diameter (66mm clear), focusing eyepiece has rubber eyeguard and cover, and the instrument is of heavy duty metal construction well sealed to keep dust and water out. Image is not erect. There is a handle with a snap which must have kept it in place. Unit is marked: "TELESCOPE - RMU, CBHK". 13" long by 3-1/8" diameter. Excellent condition. Original cost was $17,699.00! Sorry, but we cannot ship these outside of the United States. Only have a few.

T1495 $125.00

UNIQUE OPTICAL ASSEMBLY



Looks like a telescope, but not a clue how they were used. We were told that they came out of some spectrophotometers. The unit is 11-1/2" long by 3-1/2" diameter. Clear objective lens diameter is 2". Coated optics. Image thru the eyepiece end is inverted and very small. There is a lever that slides the internal optics thru the tube that gives the system a different focal length, and at the same time adjusts the variable iris. May be that in its intended application, the f/stop needed to be the same. Heavy duty metal construction (the wall is 1/4" thick). Clearly an expensive item, and a real bargain at our price especially if you can get creative with it.

T1510 $45.00

Tools

OPTICS SPANNER WRENCH

This was for use with a specific military lens assembly, but can be modified for use with other optics. Heavy duty and easy to use as is if you are lucky enough to have the assembly it was designed for. 3-1/2" diameter metal disc, 1" thick with handle that is 3" high. From the bottom there are 3 pins protruding that fit into the assembly that you are working on. However, you should be able to drill holes anywhere on the disc and place pins where you need them. Unused

M1494 $13.00

PRECISION 2-1/2" DIAL INDICATOR, .0005" GRAD., LUG BACK

Ames model 303, jeweled dial indicator. Clear dial diameter is 2-1/2". Dial reading is 0-25-0. Graduation is 0.0005". Has adjustable "within tolerance" indicators. Lug-On-Center back. See second photo for back. With a little creativity, you could build a precision spherometer.

M2173 $25.00

PRECISION 2-1/2" DIAL INDICATOR, .0005" GRAD., ADJ BACK

Ames model 303, jeweled dial indicator. Clear dial diameter is 2-1/2". Dial reading is 0-25-0. Graduation is 0.0005". Has adjustable "within tolerance" indicators. Adjustable back. See second photo for back. With a little creativity, you could build a precision spherometer.

M2174 $25.00

PRECISION 2-1/2" DIAL INDICATOR, .0005" GRAD., POST BACK

Ames model 303, jeweled dial indicator. Clear dial diameter is 2-1/2". Dial reading is 0-25-0. Graduation is 0.0005". Has adjustable "within tolerance" indicators. Post back. See second photo for back. With a little creativity, you could build a precision spherometer.

M2175 $25.00

Tubes

6198A VIDICON TUBE

Unused in original packing. Made by General Electrodynamics Corp. Made for industrial television applications. Features small size and simplicity. Utilizes magnetic focus and deflection.

R1428 $22.00

IP28 PHOTOMULTIPLIER TUBE

Made by Hamamatsu for Baird Atomic, Multiplies feeble photoelectric current produced at the cathode by an average of 1,000,000 times. Excellent tube for astronomical experiments. Used but in good working condition.

R1435 $10.00

AMPERITE DELAY RELAY 26N030T

Unused in original box. This may be an antique as the manufacturer address has only a 2 digit zip code. Has base wiring info on the box. Fits standard 9 pin miniature tube socket.

R1441 $5.00

GE 710/6011 VACUUM TUBE

4 pin mercury-vapor vacuum tube with large anode cap. 6-1/4" long by 1-5/8" diameter. Used and untested but they appear to be in good condition. We've seen the tested ones selling for $75 and more. Specs included.

R4026 $8.00

GE 2050A VACUUM TUBE

In box. Looks unused.

R4163 $4.50

JUST ARRIVED! INEXPENSIVE 2.75" DIA FRENCH BAROMETER

Made in France, these very nice looking barometers show when the weather is improving or deteriorating. Measures barometric pressure from below 28 inches to above 31 inches (<950 millibars to >1060 millibars). Has adjustable indicator that can be set over the pressure indicator to quickly see the direction of movement. Plastic housing. Has a set screw adjustment in case you drop it and it gets out of alignment. Front is 2.75" diameter, rear is 2-1/8" diameter by 3/4" deep so you can easily mount it into a nice wood base. Unused.

M3015 $5.00

JUST ARRIVED! INEXPENSIVE 2.75" DIA FRENCH THERMOMETERS

Made in France, these very nice looking thermometers show temperature in degrees F and degrees C. Plastic housing. Front is 2.75" diameter, rear is 2-1/8" diameter by 3/8" deep so you can easily mount it into a nice wood base. Unused.
M3016 $5.00

JUST ARRIVED! INEXPENSIVE 2.75" DIA FRENCH/GERMAN QUARTZ CLOCK

Quartz movement made in Germany, and the housing and assembly made in France. These very nice looking clocks include a second hand. Plastic housing. Front is 2.75" diameter, rear is 2-1/8" diameter by 1/2" deep so you can easily mount it into a nice wood base. Takes a standard 1-1/2 volt battery (not included). Unused.
M3017 $5.00

JUST ARRIVED! INEXPENSIVE WEATHER STATION

Consists of our M3015 barometer, M3017 clock, and M3016 thermometer. You could make a wood base for them and you'll have a nice set for your desk or wall.
M3018 $12.00

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